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# Leonard Seed Co.,



1907

79 & 81 E. KINZIE ST.  
CHICAGO.

LEONARD'S  
OAK PARK NASTURTIUM



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**O**UR reputation has been built up by furnishing seeds of the best quality as to purity and germination, and we shall always endeavor to furnish THE BEST SEEDS that can be procured and make prices as reasonable as possible.



**WE ARE** in a position to furnish good seeds at as low figures as any reliable house. We can and will meet all prices made by any one offering goods of equal value with ours, but we have no ambition to compete with those offering inferior stocks.

**The Leonard Seed Co.** This firm is well known to the canners and packers of the United States, as well as to the market gardeners and amateur planters. The business was established by S. F. Leonard in 1884 and incorporated in 1901. It is the largest seed growing firm of the central west, where a very large part of the seeds used by planters are produced. Its growing points are variously located. Beans in different parts of Michigan and Wisconsin, where the soil produces the bright sample and high germinating quality; peas in selected parts of northern Wisconsin and Michigan, where freedom from bugs and full maturity is assured; vine seeds and sweet corn in several states where the conditions are most suited to their growth; garden seeds of all kinds at the points safely adapted to their best development. The acreage in each section being large enough to counterbalance part failures that may occur at others, gives it, even in what are termed the poor yielding years, a sufficiently good working stock to meet the demands of its large and constantly increasing trade. The fact that it "fills orders" is one reason why its business continues to increase. Another drawing card is the quality of the stock it grows. Its original idea was that quality is the essential element in seeds and among market gardeners, the class of planters whose trade this firm first put forth its efforts to reach, no garden seeds are classed higher than the Leonard brand. The same care that was exercised in the years of small things prevails to-day in the exceedingly large operations of this firm in seed growing. Both as to quantity and quality it meets the demands of its trade.—Extract from March 30, 1905, issue of The Canner and Dried Fruit Packer.



**MARKET GARDENERS' STORE**  
143 W. Randolph Street.



ONE OF OUR ONION SET WAREHOUSES, JEFFERSON PARK.

## INFORMATION FOR PURCHASERS

### OUR PART—READ IT!

**WE PAY POSTAGE OR EXPRESSAGE** on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts of Peas, Beans and Sweet Corn, and on plants and bulbs except where noted otherwise, and upon all goods quoted in our catalogue where it says: **Prepaid by Mail or Express.**

**We guarantee safe arrival** of all seeds, provided you have given due care to observe faithfully your part, as stated in the opposite column of this page. **Be sure to read it.**

**We use every effort possible** in the selection of our seeds, and feel justified in saying that all our seeds are the purest and best to be found, but at the same time, there being so many things beyond the control of man that spoil the best seeds and cause poor crops, that it is impossible to guarantee seeds. Therefore, while we exercise great care to have all seeds pure and reliable, we sell no seeds with warranty, expressed or implied in any respect, and are not in any way responsible for the crop. If the purchaser does not accept the seeds on these terms, they must be returned at once, and any money that has been paid for same will be refunded.

**LIBERAL DISCOUNTS.** To those of our customers who get up clubs for small quantities of the different kinds of seeds, we make the following liberal discounts: This offer refers to Vegetable Seeds in packets and ounces, and to Flower Seeds in packets. It does not include novelties nor special collections, nor bulbs nor anything but vegetable seeds and flower seeds taken from the standard list at regular catalogue prices, in packets and ounces for vegetable seeds, and in packets only for flower seeds.

For \$1.00 select seeds amounting to	\$1.25 a discount of	\$.25
For 1.50 select seeds amounting to	1.85 a discount of	.35
For 2.00 select seeds amounting to	2.55 a discount of	.55
For 3.00 select seeds amounting to	3.80 a discount of	.80
For 4.00 select seeds amounting to	5.10 a discount of	1.10
For 5.00 select seeds amounting to	6.75 a discount of	1.75
For 10.00 select seeds amounting to	14.00 a discount of	4.00
For 20.00 select seeds amounting to	29.00 a discount of	9.00

### YOUR PART—READ IT!

**SEND CASH WITH THE ORDER.** This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter, or cash may be sent by express. Remittances sent in any other way are entirely at the sender's risk. Small amounts may be sent in postage stamps.

**SIGN YOUR NAME.** Name and address should be written as plainly as possible and care exercised to have Postoffice, County and State in full. If your express office or freight depot has a different name from your postoffice, give that also. This is very important, as we cannot send goods if we do not know where to send them.

**NOTICE CAREFULLY THE PRICES.** Be sure to know whether we or you are to pay the freight or express, and bear in mind that we do not pay the express or freight charges on pecks or bushels, nor on any tools or plants, nor on potatoes, grass seeds, field seeds or fertilizers, except where we so state on the pages where the goods are priced.

**IN CASE OF DELAY, WRITE US.** It sometimes happens that an order is lost in coming to us, or the goods in going to the customer. Therefore, if any who order do not hear from us within a reasonable length of time, they should send a duplicate order, naming the date on which the former one was sent, and the amount of money enclosed, and in what form. This will enable us to investigate the matter and fill the duplicate order quickly.

**USE THE ORDER SHEET.** In each copy of our catalogue we place an order sheet. It will aid us greatly if you will make your order out upon it, using one line for each article ordered, and as far as possible write them in the way they are catalogued, beginning at the front. We will gladly furnish you additional order sheets if you write for them.

**ORDER EARLY.** We are prepared to fill your order as soon as this catalogue reaches you. So please order early. You will aid us and get "quicker service" by doing this.

**IT IS IMPORTANT THAT YOU READ ALL OF ABOVE.**

ESTABLISHED 1884.

# LEONARD SEED CO.

INCORPORATED 1901.

Office and Headquarters:  
79 and 81 East Kinzie Street.

Retail Store:  
81 East Kinzie Street.

Market Gardeners' Stores:  
143 West Randolph Street.

Branches at  
Jefferson Park and Roseland.

**CHICAGO.**





OUR HEADQUARTERS, 1884.

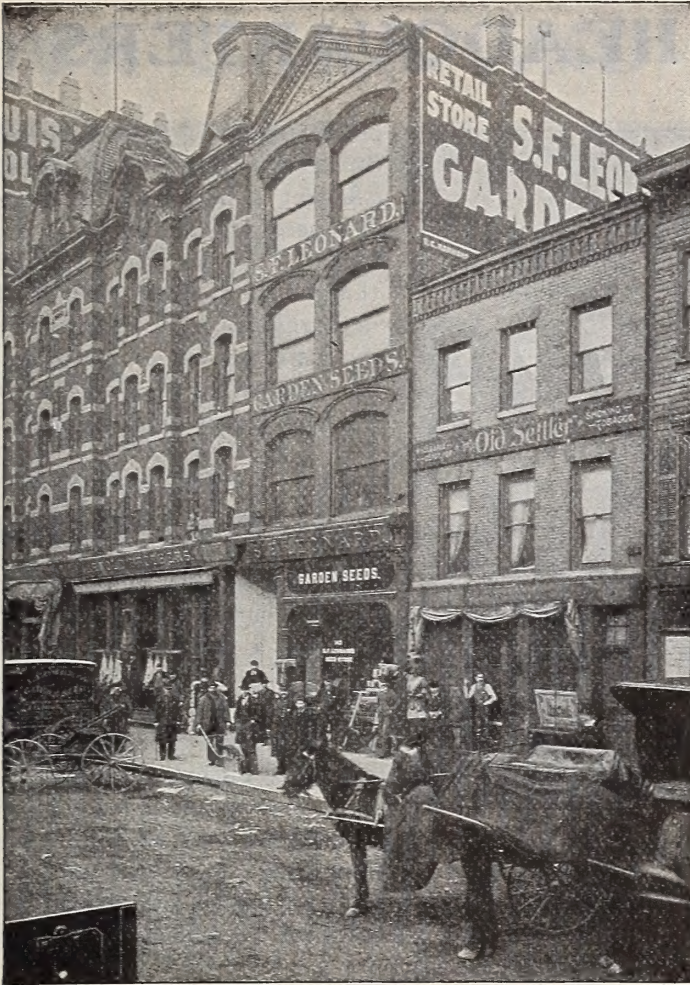
This is a picture of the warehouse occupied by S. F. Leonard as a seed store in 1892. It was at that time one of the finest seed warehouses in America. It is situated at the corner of Randolph and Union Sts. It is a seven story building, 42x168. This building was out-grown by our business in 1897. Up to that date our whole business,—namely: market gardeners' trade, retail mail trade, and wholesale trade—had been conducted in the one building. The increase in all these branches had been so rapid that it became necessary in 1897 to divide them in order to get proper working accommodations. We therefore secured the building shown at top of next page and located at 143 West Randolph St. for our market garden and retail mail trade.

This is a picture of the first building occupied by S.F. Leonard as a seed store. It is not a sky-scraper but it served its purpose just as well for its day and generation. It was torn down years ago and we place the picture here to please some of our old time customers as well as to call attention to a business which has had such a remarkable growth. The customers who patronized Leonard's Seed Store in 1884 were for the most part market gardeners of Chicago. We confined our efforts at that time almost exclusively to the local trade. When that was firmly in hand we branched out, but still took care to cater to the increasing number of local gardeners that came to us. As business increased we shifted quarters to meet the requirements and in 1892 we secured the building shown at the bottom of this page for our general warehouse and headquarters.



OUR HEADQUARTERS, 1892.





OUR MARKET GARDENERS' STORE, 143 W. RANDOLPH STREET

This picture shows the building occupied by S. F. Leonard for the market garden and retail branches in 1897 and is the present location of our market gardeners' store. It is situated at 143 West Randolph Street, near to the center of the vegetable market conducted in that street. Our gardeners' store, since we started, has always been in this market square. It is probably owing to this fact that it has always been the seed headquarters of the Chicago gardeners. A view of the market as it appears each day during the selling season is given below. If there are other seedsmen that have any better opportunities for knowing what the market gardener requires in the way of seed than we do they are fortunate. That we

have met their requirements is shown by the amount of business we do with them.



WEST RANDOLPH STREET VEGETABLE MARKET.



## OUR PRESENT HEADQUARTERS



ONE OF OUR PACKING ROOMS.

the packers in this room, but nothing smaller than five pound lots of garden seed and bushel lots of Peas, Beans and Corn are handled by them, such lots being put up elsewhere and passed down to connect when needed. By this system we can get orders together in the quickest and safest manner.

### THE LABELING OF SEEDS

is one of the most important things. Each package must have its proper name written or printed upon it. The label tells you all that can be known about a package of seed. No one can tell you anything about it by its looks. If the label is lost the seed is of little value and if it is not labeled correctly it is just as bad. We have endeavored to systematize things in our packing rooms so that errors are rare and every package bears its proper title as far as human power is able to bring about this result.

### ONION SETS

are handled by us in very large quantities. We are extensive growers of this product, and ship many car loads each season. The care that is needed to get any sets that may have sprouted during the time of winter storage out before the milling is done, requires a large force. We find women the best sorters at this kind of work and each crate—2-bushel size—is handled separately before it is dumped into the mill. We do this work at our Onion Set Warehouses, at Jefferson Park, and ship direct from there, except the small orders, which are to go with other seed. These are shipped from our Kinzie St. warehouse.



PREPARING ONION SETS FOR THE MILL PREVIOUS TO SHIPPING.

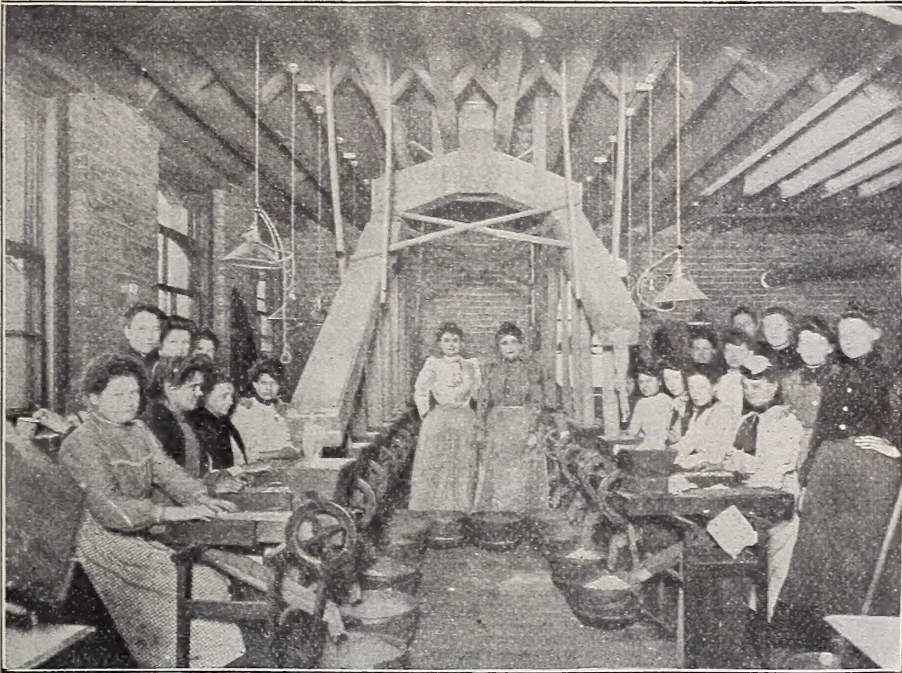
are located at 79 & 81 East Kinzie Street. A few views of our establishment here will be of interest. It is necessary that people at a distance should know a little something about those with whom they do business, and as the majority of our customers cannot get to see us, the least we can do is to give them the best information we can.

### OUR SHIPPING FACILITIES

are taxed to their full capacity as soon as our crops are harvested. We give a picture here of one of our packing rooms. It shows the packing department that puts up the smaller lots in order that they may be connected with the bulk goods that are made ready in other departments. Less than carload shipments are taken care of by



# OUR BEAN AND PEA BUSINESS



is now carried out upon a large scale. We have them grown at points quite distant from Chicago. Many hundreds of acres are required to produce the quantity that we sell and the product is shipped to our Chicago warehouse just as it comes from the thresher. We do our milling and cleaning here. We give here a picture showing the west end of our picking room. In this room we have picking machines operated by girls. These machines are run by foot power similar to running a sewing machine, and the beans or peas that are being picked move

slowly toward the operator on a canvass belt, and the bad ones are taken out by hand and dropped into a box at each side of the machine. The good ones continuing on the canvass belt are dropped into a spout and pour from the machine into the basket as shown in the picture.

We mill all the beans and peas before they go to the pickers. For this purpose we have installed mills that take out all the split and dried up grain. These mills also separate the uneven sized peas and make the samples uniform and almost of merchantable appearance. The mill will not take out the discolored peas or beans however, and the hand picking done by the girls at the machines is a very necessary work. The expense attached to all this is considerable, and it adds very materially to the cost of putting the stock in a shape to be satisfactory to the planter.

This view is the East end of our picking room. As will be seen each machine is fed from above, for this purpose we use truck bins that hold about 30 bushels. These bins are filled from the mill, are run to the floor above the pickers, and allowed to run into the spouts, making a steady fall of beans or peas into the machine as needed. The women standing at each end of the aisles are they who inspect the peas as the baskets are being filled.





# VIEWS OF OUR JEFFERSON FARM



EXAMINING A CROP WHERE INSECTS APPEAR TO BE WORKING

Our Jefferson Farm is located inside the limits of Chicago. It contains more than one-hundred acres of as fine garden land as could be found anywhere in the world. We use this farm as an educative plant as well as a source of revenue. Our trial grounds are here and our employes are given every opportunity of seeing what good seeds can produce and the methods by which the best results may be obtained in cultivating them. We use a considerable part of this farm for onion set growing.

Here also we maintain the purity of our stock seed.



AN ONION SET FIELD AFTER THE BARKER WEEDER WAS USED.



THE LAST WEEDING OF AN ONION SET CROP.

The Important Thing about this farm is its location. Some of the best market gardeners of Chicago have their land adjoining it on every side. There is hardly a vegetable known to the seed trade but what can be seen growing in the vicinity of it. The knowledge to be gained by noticing what is being done by these gardeners and the progress of different crops under ordinary every day conditions and methods of culture are most valuable to a seedsman.

The knowledge thus gained by us is a safeguard to our customers.



A SECTION OF OUR TRIAL GROUND.





## Views of our Jefferson Farm

THROUGH OUR EXTENSIVE OPERATIONS at our Jefferson Farm we learn the value of tools by actual handling of them. The keeping of weeds out of growing crops is a costly item. This is especially true of vegetables, a crop of them must be kept clean if a good harvest is desired. The benefit of our experience of a right belongs to our customers, and we take occasion here to recommend the

### BARKER WEEDER

as being the best thing in the way of a garden cultivator thus far brought to our notice. We have tried the Barker Weeder in all ways, and in all garden crops. When the seed is up



out of the ground far enough to show the rows is the time to get in the best work. Use the machine at once. The weeds may not show much but they are there, and they kill easiest when they are just beginning to sprout. At all stages of the crops' growth the "Barker" can be used and its continued use when necessary, right up to the time of harvest, will save the user of it enough dollars to pay for the machine many times over. See page 112.







OFFICE OF OUR BULK ORDER DEPARTMENT.



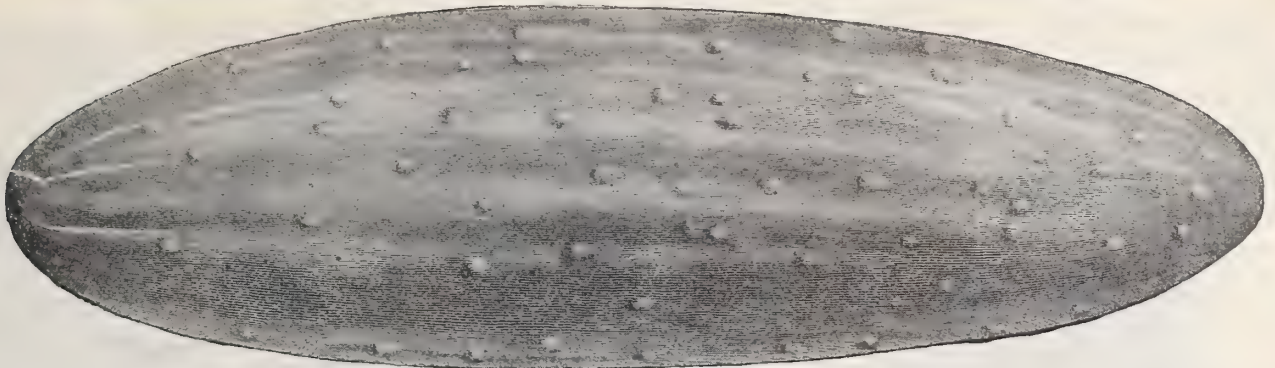
A FIELD OF LEONARD'S GLOBE ONIONS MAKING SEED.



OFFICE OF OUR SEED GROWING DEPARTMENT.



# Leonard's Vegetable Specialties.



LEONARD'S GREENHOUSE CUCUMBER—See Page 39.



LEONARD'S YELLOW GLOBE ONION—See Page 47.



LEONARD'S WHITE GLOBE ONION—See Page 47.

## OUR SPECIALTIES.

During the many years that we have been engaged as seedsmen, making a specialty of selling strains suitable for market gardeners we have always been on the lookout for varieties that are of particular value to planters whose living depends upon the kind of vegetables they grow.

THE SPECIALTIES herewith illustrated are leaders and have the endorsement of the most successful truck farmers in all sections. The exceptional value of these specialties as money bringing articles has been proven over and over again by those who plant our seed.

OUR GREENHOUSE CUCUMBER is a strain that meets the requirements of the most critical trade, and although especially adapted for greenhouse culture, it is found equally well adapted for the hot bed and for outdoor planting.



LEONARD'S RED GLOBE ONIONS.— See Page 47.

OUR GLOBE ONIONS are strains that have the endorsement of onion growers everywhere. They have been standards ever since we first offered them. The market gardeners of Chicago prefer our stocks over all others and can seldom be prevailed upon to plant anything else in onion seed when they want a marketable crop. These strains of onions have a record unsurpassed and are so well known to growers at the principal onion producing centers as to be in greater demand and at higher prices than any other strains. The uniformity of the bulbs that are produced from our Globe seed is the great point in its favor and its superior color is another marked characteristic. It has earned its popularity by repeated tests.



## Leonard's Vegetable Specialties.

**CAULIFLOWER SEED** of extra quality is so necessary to the grower that it is needless to say that the best is the only kind he should buy.

**OUR SNOWBALL CAULIFLOWER** is the standard of quality with the Chicago growers, and there is no stock that has surpassed it, or stood the test of years so well. As a companion stock to meet the condition of a dry season we recommend **OUR DANISH DRY WEATHER CAULIFLOWER**.

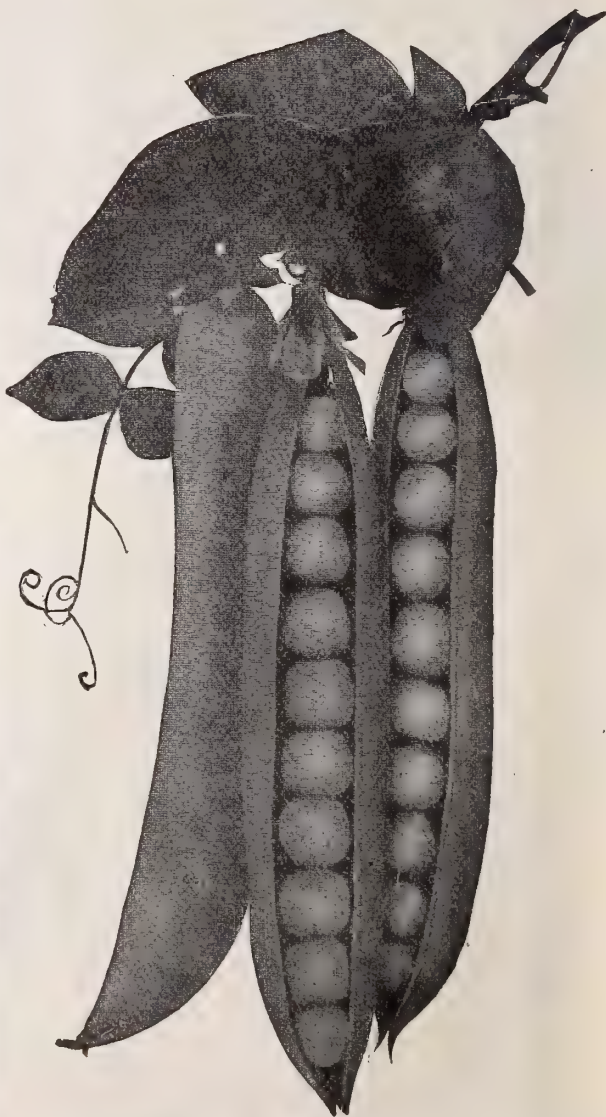


**PEAS—LEONARD'S CLATAWA or GET UP AND GET**—See Page 53.



**LEONARD'S SNOWBALL CAULIFLOWER**—See Page 33.

The Pea crop is one of importance to market gardeners. A day gained in getting this crop to market means many dollars to the grower, and where size of pod is added to earliness the chances for profit is all the more sure. Our **CLATAWA** and **POTLATCH** peas are varieties that will outclass all other stocks of the same character in these two essential points and we strongly advise all who grow peas for profit or for home use to secure these special varieties.



**PEAS—Leonard's Potlatch or Big Dinner**—See Page 53.



**Danish Dry Weather Cauliflower**—See Page 33

The specialties we offer are kinds that have been tried and are kinds that have met the requirements of the gardeners just as we state,



# CABBAGE—SPECIAL STOCKS

## LEONARD'S FAULTLESS CABBAGE



LEONARD'S FAULTLESS CABBAGE

IS NOW AND FOR TEN YEARS  
HAS BEEN THE FAVORITE  
SECOND EARLY CABBAGE  
AT CHICAGO.

The product of this seed out-sells any other second early cabbage two to one on the home market. It can be marketed in the early summer; during midsummer, in the fall and early winter, making it the best all purpose variety ever introduced. It is popular alike with the grocer, kraut maker and shipper. It is possessed of earliness, large size, compactness and will produce more salable heads to the acre than any other stock we know of. It is of the succession type, but is earlier, head is rounder, sits out of the under leaves higher, has a darker color of leaf and can be planted closer. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 60c.

There is no Substitute for this Cabbage,  
the Strain is Distinct and can be had from  
one source only.

**Pound, \$2.00**

# THE HOLLAND CABBAGE

## LEONARD'S STRAIN.

THE HEAVIEST CABBAGE FOR THE SIZE OF  
HEAD EVER INTRODUCED.

This cabbage in many localities is the most popular for winter and early spring marketing. It is heavy and remains solid longer than any other long keeping cabbage. For winter shipping it is unsurpassed. The main question for the grower to solve is where to get the genuine seed, for the popularity and paying qualities of the cabbage itself, when it is right, are points long ago decided.

Seed of the true Holland Cabbage is not plentiful; it is produced on a limited area at one or two points only. Seed grown anywhere else deteriorates, fails to show up the proper characteristics and is but a very unsatisfactory substitute. Since 1896 we have succeeded in securing the seed crops of a grower of this cabbage which for uniformity have met the requirements of the large cabbage growers of Chicago, Racine and other Holland cabbage shipping points, and which have made for us a reputation for handling the best strain of this imported article. We introduced the seed as **Leonard's Strain** and our sales are only limited by the quantity of seed our grower can produce. We do not hesitate to say that Leonard's strain of Holland cabbage is the purest to be had. Pkt.; 10c., oz., 25c., 1-4 Lb., 60c.

**Per Pound, \$2.00**



# The Holland Cabbage

## SHORT STEM STRAIN.

This strain of Holland Cabbage differs from the original Leonard Strain in the height of the stem only. In all other respects it is the same. It has been bred up to meet the requirements of the grower who works heavy, rich land. The long stem of the original strain in extra heavy soil has been thought to be something of a fault and the growers have been calling for a stock that would retain all the good points of the original with the additional advantage of dwaffer habit. We confidentially recommend this strain as being an ideal stock to all growers who deem their soil over-rich for the original long stem strain. We also recommend it for trial to all growers of Holland Cabbage. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 60c.;

**Per Pound, \$2.00**

# GLORY OF ENKHUIZEN

This is an excellent mid-summer variety. It comes in about a week earlier than all seasons, makes a nice large head, has few outer leaves and can be planted close. Our tests show it to be worthy of a place among the new varieties of merit and we can recommend it as a good addition to the list. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.;

**Per Pound, \$2.50**



GLORY OF ENKHUIZEN.



# Our Special Strains of Popular Flowers.

## PETUNIAS.

For outdoor decoration or house culture, few plants are equal to this class. They commence to bloom early, and continue to flower through the summer. Give them rich soil and a sunny place.

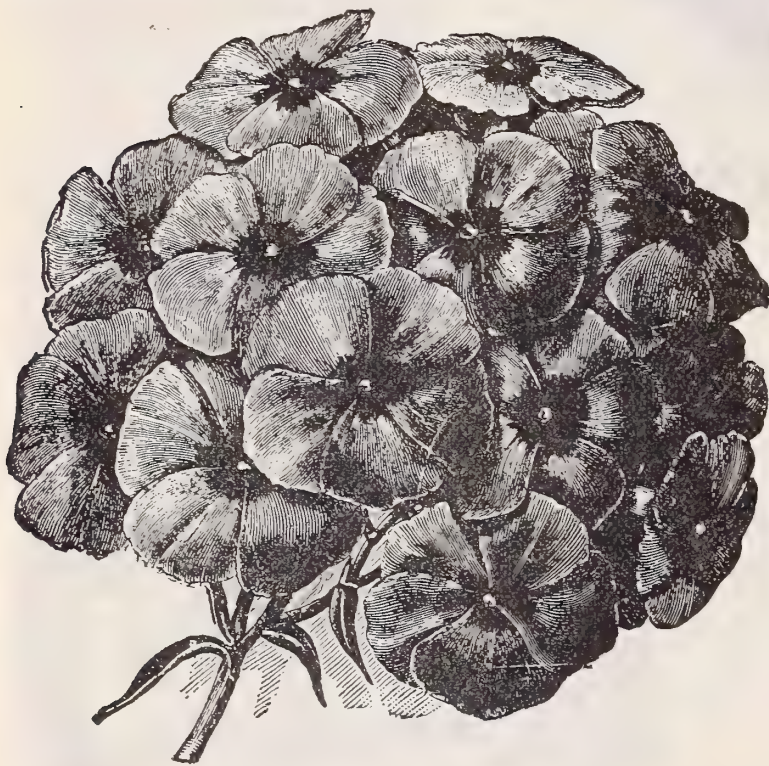
### SINGLE VARIETIES.

Single Large Flowering, mixed, all colors..... Pkt. 10c  
Fine Mixed, all colors..... " 5c

### LARGE FLOWERING DOUBLE PETUNIAS.

Grand, rich, velvety flowers of the largest size. All colors and shades, beautifully veined. Most of the flowers are fringed, and our seed will produce a far greater per cent of double flowers than any other strain. Pkt., 25c.

It is well known that seed saved from the most carefully hybridized flowers produces but a small percentage of double flowers, the balance being singles of unusually fine quality. The weaker seedlings should be carefully saved, as these invariably produce the finest double flowers.



LARGE FLOWERING PHLOX.

## SUPERB ASTERS.

Of the general beauty of these flowers it is unnecessary to speak; the immense world-wide demand for them shows their adaptability for any climate; and, coming into bloom, as they do, when most other flowers are fading away, enhances their value. For the best results the ground for the cultivation of Asters cannot be too richly prepared, although they will give satisfactory returns on any ordinary garden soil.

Standard Prize Mixture, Victoria .....	Pkt., 10c.
" " " Comet.....	" 10c.
" " " Quilled .....	" 10c.
" " " Branching.....	" 10c.
" " " Peony Flowered.....	" 10c.

### CHRISTMAS TREE ASTER.

This Aster has a pyramidal branching form of growth, giving it the shape of a miniature tree. A very early profuse bloomer, growing about fifteen inches high, but covering an area of from twenty inches to two feet in diameter. Perfect double flowers, all colors, mixed. Pkt., 10c.



LARGE FLOWERING DOUBLE PETUNIA.

## PHLOX DRUMMONDI.

Of all summer-flowering annuals the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks the beds or borders are aglow with their brilliant coloring, and remain so until cut down by frost. For early flowering they should be started indoors or in a hot bed.

Phlox Drummondii, mixed colors. . . . Per oz., 50c.; pkt., 5c.

### LARGE FLOWERING PHLOX.

The largest flowering of the annual Phloxes. Nothing can compare with this indispensable summer flower for beds, massing, etc. Our strain is very select. Large perfect types of most beautiful colors, shades and marking. Strong robust growers.

Large Flowering Phlox, mixed colors . . . . . Pkt., 10c.



CHRISTMAS TREE ASTER.



## OUR SPECIAL STRAINS OF POPULAR FLOWERS.

**PANSY** (Masterpiece.)**GIANT CURLED.**

Our seed is true and pure from the originator. This strain comes nearer to Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt., 10c.

**SUPERB NASTURTIUMS.**

For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well drained, sunny position, and from within a few weeks from the time they are sown until hard frost comes there is an endless profusion of their gorgeous blossoms.

The identical colors can be had in either the Tall, or Climbing, or Dwarf or Tom Thumb types. The former grows 5 to 6 feet high; and are unexcelled for growing on fences, trellis; or trailing over rocks and rough ground, etc., while the Tom Thumbs are leading subjects for beds or borders, and both are largely in demand for use in hanging-baskets, vases, window-boxes, etc., etc.



**SUPERB COLLECTION  
OF NASTURTIUMS.**

**"Incomparable" Collection of  
SWEET PEAS.**

This collection is made up of very choice sorts—varieties that have the endorsement of the leading American and European specialists—and it would be impossible to select another similar collection out of the vast number of sorts now in commerce that would combine, in the same degree, all the qualities which go to make up first-class varieties.

**AMERICA.** Bright, blood-red striped on a white ground.  
**BLANCHE FERRY EXTRA EARLY.** The popular pink and white.  
**COCCINEA.** Rich, brilliant cerise.  
**COUNTESS CADOGAN.** The brightest blue.  
**DOROTHY TENNANT.** Deep mauve; a lovely shade.  
**DUKE OF CLARENCE.** Dark claret; a fine dark sort.  
**GORGEOUS.** Bright Orange, wings rose-tinged orange.  
**LADY GRISEL HAMILTON.** The finest pale lavender.  
**LADY MARY CURRIE.** Bright Crimson orange.  
**LOTTIE ECKFORD.** White shaded and edged lavender-blue.  
**PRINCE OF WALES.** The finest bright rose.  
**QUEEN VICTORIA.** Primrose-Yellow.  
**SADIE BURPEE.** Very large pure white.  
**SALOPIAN.** Deep scarlet or cardinal; the finest red.  
**STELLA MORSE.** Primrose, tinged blush; effect a rich cream color.

**LOVELY.** Soft shell-pink; an exquisite shade.  
**MODESTY.** The most delicate shade of all the pinks.  
**NAVY BLUE.** Deep indigo-blue.

**OTHELLO.** Very dark maroon.  
**PRIMA DONNA.** A magnificent pure pink.  
**PRINCE EDWARD OF YORK.** Scarlet tinged crimson.

Prices: Any of the above, 5c. per pkt.; 10c. per oz.; 20c. per  $\frac{1}{2}$  lb.; 50c. per lb.  
Collection of a packet each of any 21 "incomparable" varieties, 60c., or 1 oz. of each \$1.00, postpaid.



**PANSY—Masterpiece.**

**EITHER DWARF OR TALL VARIETIES.**

In Ordering, State Whether You Want Dwarf or Tall.

**DWARF OR TALL SPOTTED.** Rich Orange-Yellow, spotted crimson.  
" " **PRINCE HENRY.** Creamy White, spotted and tipped with scarlet.  
" " **CHAMELON.** This variety bears different colored flowers on the same plant; the flower shown is one of the most frequently seen combinations.  
" " **CHOCOLATE.** A unique color, odd.  
" " **CRIMSON.** Rich and velvety.

**DWARF OR TALL SPOTTED, ORANGE.**  
Pure orange, without markings of any kind.

**DWARF OR TALL SPOTTED, PEARL.** Creamy white.

" " **KING THEODORE.**

Deep crimson-maroon, with black shadings.  
**DWARF OR TALL SPOTTED, VESUVIUS.** Salmony rose; an exquisite shade.

**DWARF OR TALL SPOTTED, ROSE**  
A lovely deep shade.

Price: Any of the above 5c. per pkt., 10c. per oz.

Collections containing a pkt. each of any 10 varieties.....\$0 30  
Collections containing 1 oz. each of any 10 varieties.....75



**SWEET PEAS.**



# A BEAUTIFUL NEW GLADIOLA



America. The finest Gladiola introduced to date. It is white, shaded with delicate blush pink, of immense size and strong growth. A valuable addition to the list. No Gladiolas collection will be complete without this beautiful new variety. Our bulbs come from a locality especially adapted to their growth and will be found extra fine and sure bloomers.

Each 15 cents. Dozen, \$1.50  
Postpaid.

Our Complete List of Dahlias and Gladiolus Follows in After Our General List of Flower Seeds.



ONE OF OUR MICHIGAN DAHLIA FIELDS.





☛ One of the Good Gladiolus that can be purchased at a reasonable rate. A strong grower, well proportioned Flower-Spike, a pure white flower with a slight purple blush in throat, and a really valuable addition to the flower-lovers' garden.

**Fine Large Blooming bulbs 5c. each, Doz. 40cts. postpaid.**



## Box Collections

The plan of selling collections of Dahlias, Gladiolus and other summer flowering bulbs, in boxes, was first introduced by the Leonard Seed Co. in 1905, and has proved a decided success. It enables us to put up collections in advance, and have them ready at a moments notice. Also to give the largest value for the least money. Study these collections and see if it will not pay you to secure one or more of them for spring planting.

### Collection "A" Show Dahlias

1 root each of A. D. Livoni, Scarlet Ball, Robin Adair, Bismark, May Lomas and White Dove.

6 Dahlias at 15cts each. Collection postpaid, 62c. Will send by Express for 50cts.

### Collection "B" Decorative Dahlias

1 Dahlia each of Rev. C. W. Bruton, Nymphaea Zulu and Oban,

4 Dahlias that retail at 60 cents, sent postpaid for 40 cents. Or by express for 32 cents.

### Collection "C" Fancy and Pompon

1 Dahlia each of Wm. Fawcett, Bird of Passage, Brick Top and Snow Clad.

4 Dahlias at 15cts each. Collection in Box, postpaid for 40 cents. By Express only 32 cents.

### Collection "D" Handsome Cactus

1 each of the grand new handsome Cactus Dahlias Kriemhilde, Standard Bearer, Countess of Lonsdale Mrs. Winters, Strahlene Krone, Arachne, and the fine new Yellow, John H Roach,

7 of the best new Cactus Dahlias and good enough for anybody's garden, worth \$1.40, only 85cts. postpaid. By express 70 cents.

### Collection "E" Named Gladiolus

1 Each of the named Gladiolus Nezinscott, Augusta, May, Wm. Falconer. Mrs. Beecher, Brencchleyensis and Madam Monaret.

7 of the best Gladiolus for results, retail at 45c, sent postpaid in Box 32cts. by Express 24cts.

### Collection "F" Gladiolus Mixture

1 dozen Park Hybrids, 50c. 1 dozen Leaflet Park Mixture, 30c 1 dozen Regular Mixed Stock 20c

This fine collection of 36 bulbs sent postpaid for only 65cts. By express for 45cts.

### Collection "G" Gladiolus Mixture

100 Regular Mixed Gladiolus, \$1.00  
100 Leaflet Park Mixture, Gladiolus, \$1.50  
100 Fine Park Hybrids, Gladiolus, \$2.50

By express each at prices given. The 300 bulbs sent nicely packed in box or basket by express or freight for only \$2.85. Here's flowers for you.

### Collection "H" Mixed

1 Dahlia each A. D. Livoni, Scarlet Ball, Zulu, Vesta. 1 dozen Gladiolus Regular Mixed, 2 Tuberose bulbs and 25 White Oxalis,

This collection retails at \$1.00. Sent postpaid for 60cts. By express for Only 45cts. Dont miss it

### Collection "I" Mixed

1 each of the Dahlias Kriemhilde, A. D. Livoni, Guiding Star, Zulu, 1 doz. Gladiolus Leaflet Park Mixture, 5 Tuberose bulbs, 1 Giant Ismene or Fragrant White Amaryllis, 25 Oxalis Deppi.

Collection retails for \$1.15. Mailed postpaid for **Just 70cts.** By express for **50cts.** A bargain.

### The "ZULU" Box Collection

1 Zulu Dahlia, 10 Gladiolus bulbs, 5 Tuberose bulbs, 20 White Oxalis bulbs. **36** good blooming bulbs put up in a neat box and sent postpaid for **Only 21 cents** in stamps.

Now What Do You Think of That? All Good Bulbs.

### Collection "J" Mixed

50 Gladiolus, Leaflet Park Mixture.

50 Oxalis Deppi, White.

10 Tuberose, Double Dwarf Pearl.

1 Dahlia Zulu, Purple center, black tipt,

1 Tiger Lily, double.

1 Giant Ismene, Fragrant White Amaryllis.

Retails for \$1.75. Sent by express neatly boxed for **\$1.05**, Every bulb should bloom.

### Collection "K" General

Here is a Good Sized Flower Garden for You

100 Gladiolus, Leaflet Park Mixture,

250 White Oxalis, for the border,

25 Tuberose bulbs. Double Pearl.

1 Dahlia Kriemhilde, pink and white Cactus.

1 " Scarlet Ball, a dazzling scarlet.

1 " Oban, bluish lavender overlaid fawn,

1 " Clifford W. Bruton, finest large yellow

1 " Zulu, The Black dahlia.

1 " Snow, a fine pure white.

1 " Guiding Star, pure white pompon.

2 Tiger Lily, single and double.

4 Cannas, all different. best named sorts.

2 Giant Ismene, Fragrant White Amaryllis.

1 Ounce Sweet Peas, Fine Mixed.

1 Packet each, Phlox, Asters, Verbenas, Pinks  
Balsams, Celosia, Wild Cucumber Vine.

1 Tritoma Pfitzeri, the new flame flower.

2 Hollyhocks, different colors.

1 Rudbeckia, Golden Glow.

This collection at retail prices amounts to \$6.12. We pack securely in a box and deliver to Express or freight for **Only \$3.35**. A veritable Bargain,

This collection is gotten up for the purpose of inducing people who love flowers to grow a lot of them, and to have not only sufficient for their own use, but give every boy and girl a bouquet that desires one. The stock is taken from our regular supplies, and no poor stuff is offered to get rid of it. The quality of our stocks is guaranteed to be the best that human ingenuity can get together. While we give no warranty, we grow our own bulbs in the Michigan Peach Belt on the eastern shore of old Lake Michigan. and any No. 2 stock goes back to the gardens for another year's growth. Our customers get the best there is to be had.





# VEGETABLE SEEDS

LEONARD'S VEGETABLE SEEDS are the Market Gardeners' Standard.

Market gardeners do not knowingly take risks in buying their seed. They cannot afford to. It is certain, therefore, that their patronage is given only to those seedsmen whom they consider entirely reliable. The best proof that a seedsman is worthy of confidence is shown by the extent of his local market garden trade, and it is well known that we have the largest trade in this line of any house in the west.

We test our seeds on our own farms where we maintain large trial grounds.

Our position as MARKET GARDENERS' SEEDSMEN is well and favorably known both at home and throughout the country. Our pre-eminent standing in this line of the Seed Business has been long established. The Market Gardener or Amateur Planter, when he uses LEONARD'S SEEDS, may therefore feel reasonably sure that he is planting the best seed obtainable.



SECTION OF TRIAL GROUND—JEFFERSON FARM.



WEEDING WITH BARKER—JEFFERSON FARM.

## ARTICHOKE.

**Large Globe.** Grown for the unripe flower heads, which are highly esteemed by epicures. Per oz., 25c.

**Jerusalem.** This variety is not produced from seed, but is cultivated for its tubers which are especially valuable for stock feeding on account of their fattening properties; they are well adapted to any soil where corn and potatoes can be grown. They are the best hog food known; a preventive of cholera and other hog diseases. One acre planted in Jerusalem artichoke roots will keep from 20 to 30 head of hogs in fine condition from October until April, except when the ground is frozen too hard for them to root, as they should not be dug in the fall, but the hogs turned into the field to help themselves by rooting

for them. Three bushels of tubers are sufficient to seed one acre; cut to one eye, the same as potatoes, planting in April or May, in rows three feet apart and two feet in the rows; and cover about two inches deep. Price, lbs., 20c.; postpaid; by freight or express, Pk., 50c.; Bus., \$1.25; bbl., \$2.50.

## ASPARAGUS.

### ASPARAGUS SEED.

**Columbian Mammoth White.** A new and entirely distinct variety, that produces shoots that are white, and remain white as long as fit for use. Oz., 5c.; ¼ lb., 15c.

**Conover's Colossal.** The standard variety; of large size, tender and of excellent quality. Oz., 5c.; ¼ lb., 15c.; lb., 50c.

**Barr's Mammoth.** The stalks are very large, frequently one inch in diameter, with few scales; the stalks retain their thickness completely up to the top of the shoots, and have close, round heads. Oz., 5c.; lb., 50c.

**Palmetto.** It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Oz., 5c.; ¼ lb., 10c.; lb., 50c.



COLUMBIAN MAM. WHITE.



ARTICHOKE JERUSALEM.  
ASPARAGUS PLANTS.

These prices do not include postage. If to go by mail, add at the rate of 50c. per 100 for the 2-year-old plants.

**WE DO NOT PAY POSTAGE ON THESE.**

Columbian Mammoth White. 2-year-old roots.

Conover's Colossal. 2-year-old roots.

Barr's Mammoth. 2-year-old roots.

Palmetto. 2-year-old roots.

Prices on any Variety of 2-Year-Old Roots; Per 100, 75c.; Per 1,000, \$5.00.

Special prices on larger lots on application.





LONGFELLOW.

NEW GIANT GREEN POD  
STRINGLESS

## BUSH BEANS.

GREEN POD VARIETIES.

LONGFELLOW BEANS.

This new bean has long green pods, is exceedingly prolific, always solid, of delicious flavor, is tender and remarkably early. It matures its crop very regularly and withstands adverse conditions well. A good bean for market or home use.

BOUNTIFUL BEANS.

This new green podded bush bean is a heavy cropper and very early. It is a stringless variety and a careful selection from one of the standard sorts. Its hardiness and great productiveness make it one of the very best bush beans.

**Extra Early Refugee.** This is a great improvement on the old and well known Refugee, as it is a long way earlier, being fit to pick nearly as early as six weeks. It is more dwarf and compact in growth, while the pods are round, solid, tender, and of the most excellent quality when cooked for table use or for canning or pickling.

**Extra Early Red Valentine.** Pods develop to an edible condition in thirty-two days from germination. Color of pods, light green and semi-transparent. Form of pods, round and slightly curved. Succulent, prolific, and quite free from strings, continuing long in edible condition.

**Black Valentine.** This excellent variety is a great improvement over the popular standard sort Early Red Valentine, being one-third longer than that variety, pods perfectly round and straight and of excellent quality. It also has the additional advantage of being suitable both for early and late planting, being extremely hardy. It will withstand early and late frosts which kill other varieties. A most desirable sort for the market gardeners, owing to its enormous yielding qualities, large and handsome appearance.

**Refugee, or Thousand to One.** Vines large, spreading, exceedingly hardy.



EXTRA EARLY RED VALENTINE



with small, smooth leaves; very late and esteemed for late planting and for use as pickles; pods long, cylindrical, green.

**Improved Tree or Dwarf White Navy.** A variety developed in western New York. Is a sure cropper, and not only more prolific than the common white bean, but also of better quality. Vines large, spreading, with small, thin leaves, and occasional runners.

**New Giant Green Pod Stringless.** The greatest novelty in beans ever offered. More than a week earlier than Improved Round Pod Valentine, and more prolific.

**Best of All.** The hardy, vigorous vine produces an abundance of very straight, handsome pods which when fit for use as snaps, are very brittle and of a peculiar deep green color.

**Early Mohawk.** One of the oldest and best known sorts. It is the hardiest of any of the beans, resisting a slight degree of frost very successfully. The leaves and vines are large, coarse and straggling. It is early and very prolific, with pods of medium quality, broad, flat, nearly straight and very long.



For Prices of all Green  
Pod Bush Beans see  
Page 20.

## BUSH BEANS.

GREEN POD VARIETIES.

For Prices of all Wax  
Pod Bush Beans see  
Page 22.



STRINGLESS GREEN POD.

**Tennessee Green Pod.** This dwarf, snap bean, although new to the seed trade, has for several years been grown in the south, and wherever known is freely spoken of in terms of highest praise. Vine prolific; foliage dark green, with leaves large and crumpled; pods long, flat, very irregular in shape, bright green and of most excellent quality. Seed of medium size, oval, flat, yellowish-brown in color. After careful selection we have developed a uniformly true stock of the variety which we know will give splendid satisfaction.

**Marblehead Early Horticultural.** A strain developed from the old Horticultural, in which the pods and beans are darker and which mature a little earlier. This is the earliest green shelled bean and of the finest quality.

**Dwarf Horticultural.** Vines very productive, compact, upright, with large leaves. Pods medium length, cylindrical, curved, with splashes of bright red on a yellowish ground. They become fit for use as green shelled beans very early, and in this condition the beans are very large, easily shelled and are about equal to the Lima in quality, although of quite different form. Seed large, oval, plump and nearly covered with splashes of bright red.

**Royal Dwarf Kidney.** Plant large, branching, with large, broad leaves; pods medium sized, dark green, coarse; beans large, white, kidney-shaped, slightly flattened and of excellent quality, green or dry.

**Large White Marrow or Mountain.** Vines large, slender, spreading, with short runners and small leaves; very prolific; pods medium, broad, green, changing to yellow; beans large, clear white, ovoid, cooking very dry and mealy.

**Burlingame Medium.** Productive and profitable field bean; the favorite of the leading bean farmers in Central New York. It averages 40 bushels per acre. It ripens early, and in a wet season remains sound and healthy where other varieties rust and spot. The ripened seed is pearly white, in size, between Navy and White Marrow and is much handsomer than other sorts, and consequently commands top prices.

**Vineless Marrow.** A splendid bean for field culture. Plant large, strong and vigorous, but compact and without runners, bearing its crop in the center and well up from the ground. The dry beans are very large, very white, and of the best quality. A wonderfully prolific and valuable sort.

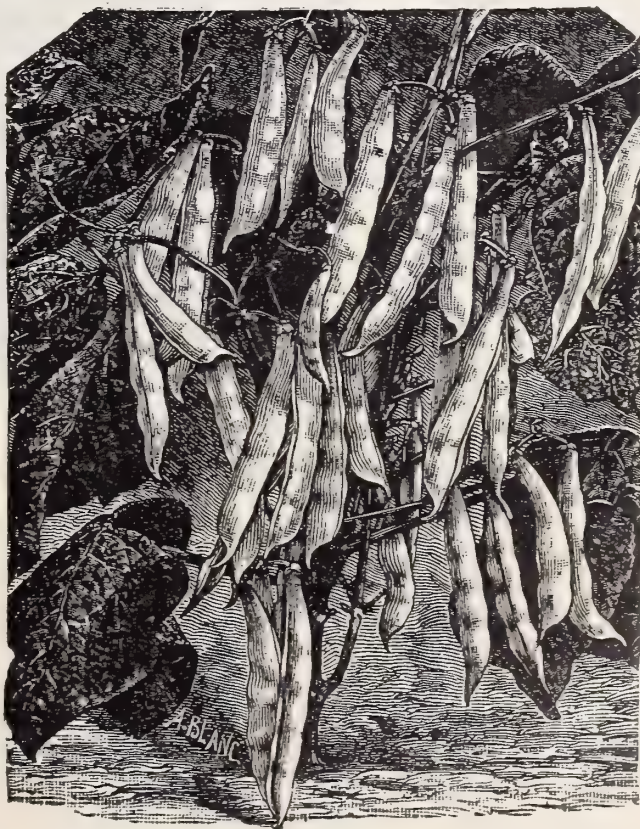
**Broad Windsor.** (English Dwarf or Broad.) This is entirely distinct from the common or French bean. The large, coarse pods are borne on stout plants which are coarser, more erect, and less branched than those of the French bean. It is largely used in Europe, but does not do well in the hot, dry summers of America. Seed large, of flat, unsymmetrical shape; light brown color.

**Stringless Green Pod.** This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two to three days earlier than Valentine, that is to say in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. The pods are green, not quite so round as Valentine and less curved. The pods are stringless—absolutely so—this quality at once placing the variety at the top of the list among table beans. While the early maturity is of great merit, this stringless quality is of particular value, the pods breaking as short and free as pipstems.

**Improved Goddard.** Vines large, much branched, erect, forming a large bush; leaflets large, crumpled, bright green; pods large, long, flat, usually curved, with long, curved points; green when young, but as the beans become fit for use are splashed and striped with crimson. Green beans very large, splashed with red and of fine quality. Seed marked like Dwarf Horticultural and of the same color, but longer and much larger, making them more desirable for market use. The green beans are almost as large, though different in shape and quite as good in quality as those of the Large Lima.

**Early Yellow Kidney Six Weeks.** Vines large, vigorous, branching, productive with large leaves; pods long, straight, flat, handsome and when young, of good quality; seed long, kidney-shaped, yellowish-drab, with darker marks about the eye.

**Round Yellow Six Weeks.** Improved round pod. While this variety does not differ from the Early Yellow Kidney Six Weeks in size or general appearance of the vine, the pods are shorter, very much thicker and more fleshy. Moreover, while retaining the vigor and hardiness of the old sort, it is fully one week earlier. Seed round, yellowish-drab, with slightly darker marking about the eye; much shorter than Kidney Six Weeks.



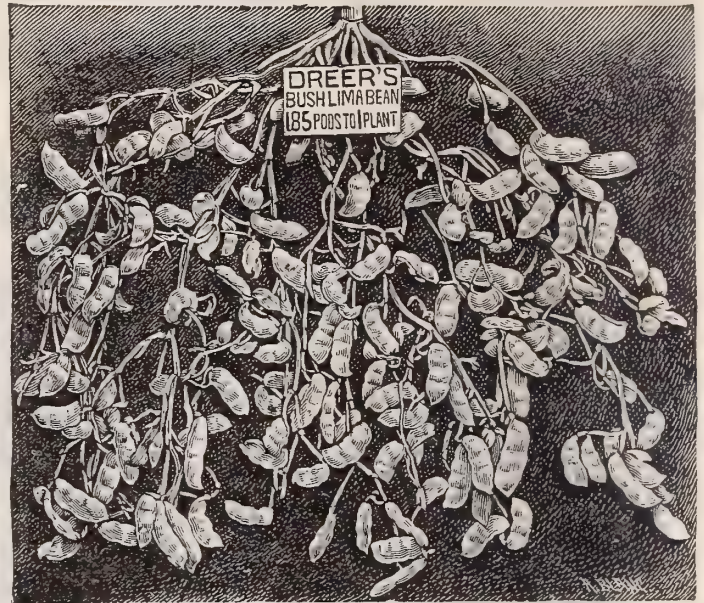
BURLINGAME MEDIUM.



## BUSH BEANS—GREEN PODS—Continued.



HENDERSON'S BUSH LIMA.



DREER'S BUSH LIMA.

## DWARF LIMA VARIETIES.

**Burpee's.** The only bush form of the true, luscious, large lima. It is pronounced by all good judges as unquestionably the real Bush Lima. The bushes grow eighteen to twenty inches high, of stout growth and always erect. It is an immense yielder, the pods being filled with very large beans. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 40c.

**Dreer's.** The true bush form of the chubby Dreer's or Potato Lima. The pods are heavy and thick. It is quite productive and of excellent quality. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 40c.

**Henderson's.** This is a bush form of the small Seiva pole bean. It is the original bush form of the pole beans. It is the most productive of any, and on the whole is a vegetable of great merit. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 40c.

**New Wonder.** This gives the largest and best returns—a big crop from a small space—and is a decided improvement on the original type of Burpee's Bush Lima, being 7 to 10 days earlier, with pods 4 to 5 inches in length, each containing 3 and sometimes 4 large green beans of the finest flavor. The beans are of flat shape and fully equal in flavor to the famous Dreer's Bush Lima, so well and favorably known. Pkt., 10c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 40c.



BURPEE'S BUSH LIMA.

## BEAN PRICE LIST—Green Pod Varieties.

We send all packets, pints and quarts free by mail or express at catalogue prices.  
Purchaser pays the freight on half pecks, pecks and bushels.

	Pkt.	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.	Bus.
Stringless Green Pod	\$0.10	\$0.20	\$0.35	\$0.75	\$1.50	\$5.50
Extra Early Refugee	.10	.20	.35	.75	1.25	4.00
Refugee, or 1000 to 1	.10	.20	.35	.75	1.25	4.00
Early Mohawk	.10	.20	.35	.75	1.25	4.00
Ex. Early Red Valentine	.10	.20	.35	.60	1.00	3.50
Best of All	.10	.20	.35	.60	1.00	3.50
Giant Green Pod	.10	.20	.35	.60	1.25	5.00
Early Yellow Six Weeks	.10	.20	.35	.75	1.25	4.00
Round Yellow Six Weeks	.10	.20	.35	.75	1.25	4.00
Tennessee Green Pod	.10	.25	.45			
Black Valentine	.10	.25	.40		1.25	4.00

	Pkt.	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.	Bus.
Longfellow	\$0.10	\$0.20	\$0.35		\$1.25	\$4.00
Bountiful	.10	.20	.35		1.25	4.00
Dwarf Horticultural	.10	.20	.35	\$1.00	1.25	4.50
Prolific Tree or Navy	.05	.15	.25	.60	.90	2.75
Improved Goddard	.05	.20	.35	1.00	1.75	6.00
Marble Early Horticultural	.05	.20	.35	1.00	1.75	6.00
Royal Dwarf Kidney	.05	.20	.35	.75	1.25	5.00
Large White Marrow	.05	.20	.35	.75	1.25	5.00
Burlingame Medium	.05	.20	.35	.60	1.00	3.50
Vineless Marrow	.05	.20	.35	.60	1.00	3.50
Broad Windsor	.10	.20	.35	.75	1.25	5.00





WARDWELL'S KIDNEY WAX.



PROLIFIC BLACK WAX.

## BUSH BEANS.

### WAX PODDED VARIETIES.

**Curries' Rust Proof Wax.** Seed black; a fine sort. Rust proof, tender thick fleshed pods, early and very productive.

**Yosemite Wax.** The largest of all bush wax varieties; pods thick, and of excellent flavor.

For Prices of all Wax  
Pod Beans see next  
page.



PENCIL POD BLACK WAX.

**Golden Eye Wax.** This is the hardiest and handsomest of all the wax beans. Rust proof; the best variety for the market garden; for shipping it is unexcelled.

**Golden Wax.** The old standard wax sort. It is productive, early, prolific, and on the whole is yet among the best for family use.

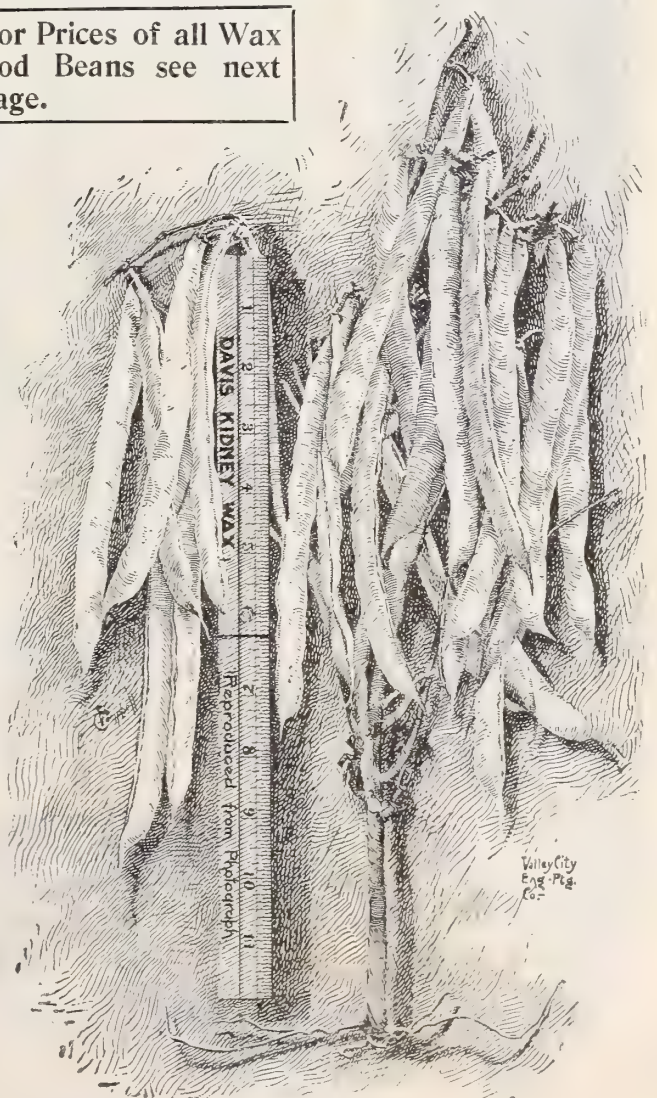
**Davis White Wax.** A variety introduced in 1897. It is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, meaty stringless, and of a beautiful yellow color. It stands shipping better than any other, and is one of the best of the wax podded varieties.

**Early Refugee Wax.** A perfect Refugee with wax pods; long, round, of a golden yellow color. One of the earliest. It is of very good quality, the pods being very tender. We can recommend it as being a first-class wax bean.

**Pencil Pod Black Wax.** Pencil Pod Black Wax grows a taller, stronger and more vigorous bush than the Improved Prolific Black Wax, which is one of its parents. The other parent is the Round Pod Refugee or Thousand to One, and from this latter source the Pencil Pod Black Wax gets much of its vigor, hardness and productiveness and its long, slender, straight, handsome pod, shaped very much like a pencil.

**Wardwell's Kidney Wax Bean.** Hardy and productive, pods long, broad, flat, and of a delicate waxy yellow, brittle and entirely stringless. The yield considerably exceeds that of the common Golden Wax, and is equally as early.

**Prolific Black Wax.** The old standard Black Wax Bush Bean. It is so good that it is worthy of special notice. The pods are round, flat, of handsome golden yellow color, and of buttery flavor when cooked. Do not forget the old meritorious kind when looking over the list, and include this in your orders.

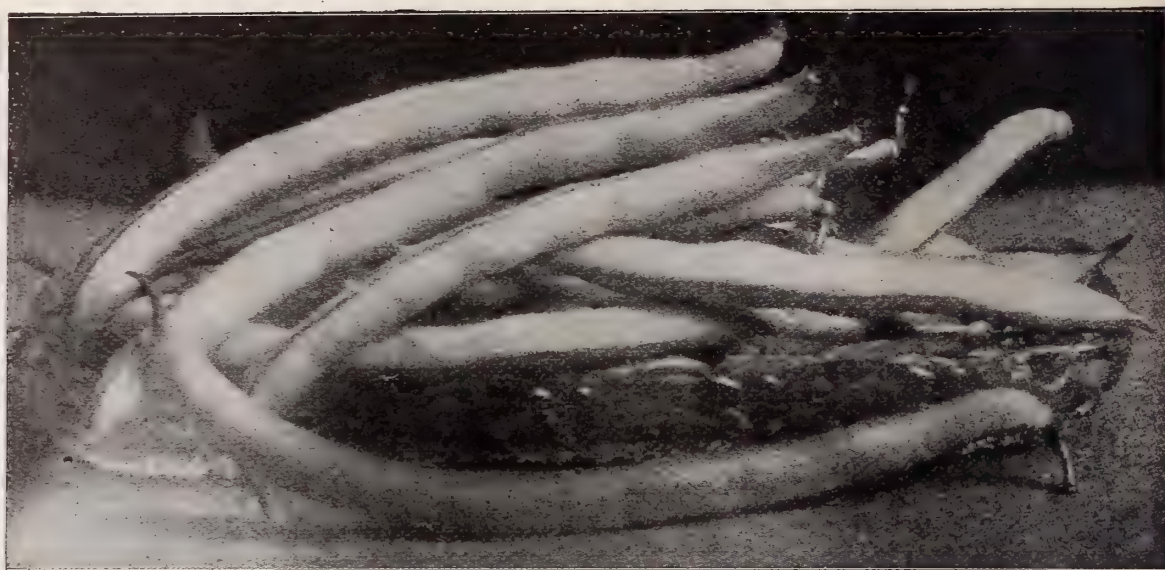


DAVIS WHITE WAX.





LEONARD'S  
LEOPARD WAX.



ROUND POD KIDNEY WAX.

## BUSH BEANS.

WAX PODS CONTINUED.

**Round Pod Kidney Wax.** This is the best Wax Bean yet introduced for either the home or market garden. Market gardeners will appreciate the importance to them of this new bean because of its round pod. It is equal to Wardwell's Kidney Wax in size of pod and productiveness, has a beautiful waxy golden colored round meaty pod; is early and the pod is straight, not curved like so many of the other round podded wax beans. Round podded beans have superior quality and retain their freshness longer than the flat podded kinds.

**Leonard's Leopard Wax Beans.** A new wax variety bearing long straight flat pods of a handsome clear yellow color. The vines are vigorous, standing well up from the ground, the foliage affording good protection for the pods. Tested with other varieties of wax beans it shows a marked advance in productiveness over any, while in earliness it is exceeded by none. This is the fourth year from the parent stock and the characteristics are well established. We offer it with confidence and recommend it highly to the market gardener, shipper or canner.

**Black-Eyed Wax.** A cross between Black Wax and Golden Wax. Earlier than either one, and of much better quality, being wonderfully brittle, perfectly stringless and of fine flavor. Pods like Black Wax; seed white, black around the eye.

**Violet Flageolet Wax:** Early; soon as Black Wax. Exempt from rust. Pods long, tender, delicious. Enormously productive. Valuable for kitchen, garden and market.

**Jones' New Stringless Wax Bush Bean.** This new Bean, which has only so far been grown to a limited extent on account of its high price, is certainly one of the most desirable wax beans introduced for many years, and we cheerfully recommend it to all our customers as a sort sure to please, and give entire satisfaction at all times and under all conditions. It is a yellow podded bush bean with white seed. The pods are round and plump, and attain a length of five to seven inches. They are thick and fleshy, and as handsome in the basket as could be desired. The pod is perfectly stringless, thus giving name to the variety. The beans are of prime table quality, either green or dry. It makes a fine display on the stall, holding its fresh appearance for a long while after being picked from the bush.

**Improved Golden Wax.** Rust proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust proof.

**White Wax.** One of the best for family use. Stringless, waxy, yellow pods; very brittle, tender and of delicious flavor.

**Keeney's Rustless Golden Wax.** Combines hardness and productiveness with fine quality. A strong growing bush variety of remarkable vigor and freedom from rust. The pods are meaty and well filled, thick, flat, when young and semi-round later; a very desirable variety.

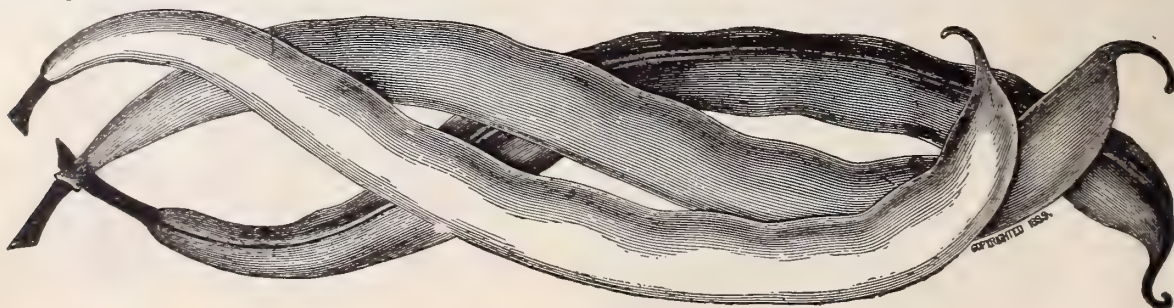
**Detroit Wax.** A distinct variety of recent introduction, which is worthy of a place in every garden. The waxy, yellow pods are produced in great abundance and the quality is extra fine.

**Flageolet Wax.** A large bush wax variety; seed large, purplish red; excellent as a snap bean, and in great favor as a dry shell bean.

### BEAN PRICE LIST—Wax Pods.

We send all packets, pints and quarts free by mail or express at catalogue prices. Purchaser pays the freight on half pecks, pecks and bushels.

	Pkt.	Pt.	Qt.	Pk.	Bu.		Pkt.	Pt.	Qt.	Pk.	Bu.
Wardwell's Kidney Wax	\$0.10	\$0.25	\$0.40	\$1.75	\$6.00	Detroit Wax	\$0.10	\$0.25	\$0.40	\$1.50	\$5.00
Currie's Rust Proof Wax	.10	.25	.40	1.75	6.00	Flageolet Wax Scarlet	.10	.25	.40	1.75	6.00
Yosemite Wax	.10	.25	.40	1.75	6.00	Violet Flageolet Wax	.10	.25	.40	1.75	6.00
Golden Eye Wax	.10	.25	.40	1.50	5.00	Prolific Black Wax	.10	.25	.40	1.75	6.00
Golden Wax	.10	.25	.40	1.50	5.00	Davis' White Wax	.10	.25	.40	1.50	5.00
Improved Golden Wax	.10	.25	.40	1.50	5.00	Early Refugee Wax	.10	.25	.40	1.75	6.00
White Wax	.10	.25	.40	1.75	6.00	Pencil Pod Black Wax	.10	.25	.40	1.50	5.00
Keeney's Rustless Golden Wax	.10	.25	.40	1.50	5.00	Round Pod Kidney Wax	.10	.25	.40	1.75	6.00
Leonard's Leopard Wax	.10	.25	.40	1.75	6.00	Jones' Stringless Wax	.10	.25	.40	2.00	6.50



JONES' NEW STRINGLESS WAX.



# POLE BEANS

THE PRICES OF ALL THE VARIETIES OF POLE BEANS WILL BE FOUND ON THE NEXT PAGE.

**Kentucky Wonder.** This splendid variety, introduced in 1885, has since been offered as Seek No Further, and was introduced in 1891 as a novelty under the name of Old Homestead. Vine vigorous, climbing well and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching nine or ten inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen. Dry beans long, oval, dun-colored.

**Scarlet Runner.** A great favorite, both ornamental and useful. Height, ten feet, presenting dazzling scarlet flowers, from July to October. Used both as a string bean and shelled. Seeds, when ripe, lilac, mottled black.

**London Horticultural, or Speckled Cranberry.** Vines moderately vigorous, with large, light colored leaves and purple blossoms; pods short, broad, pale green but becoming streaked with bright red; beans large, ovate, splashed and spotted with wine red, and of the highest quality, either green or dry.

**Red Speckled Cut Short.** (Corn Hill.) This is the best sort to plant in hills of corn. It is praised beyond measure by all who have tried it.

**Dutch Case Knife.** Vines moderately vigorous, climbing well, but twining more loosely than some and so may be used for a corn hill bean. Leaves large, crumpled; blossoms white, pods very long, flat, irregular, green, but becoming creamy white; beans broad, kidney shaped, flat, clear white, and of excellent quality, green or dry.

**Southern Prolific.** A very prolific sort and popular in the south for snaps. Vines vigorous, with large, thin, smooth leaves; blossoms white; pods produced in clusters, green, cylindrical or thicker than broad, long, fleshy, crisp; beans small, oval, dun colored, and somewhat variable in shade.

**Early Golden Cluster Wax.** The finest, earliest and best of all the wax pole beans. It is very early, being only a week later than the Golden Wax.

**White Creaseback.** This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time. Vines small to medium, but vigorous, and in good soil wonderfully productive, bearing pods in clusters of from four to twelve. Pods medium length, silvery green, of the best quality as snaps, and stand shipping better than most sorts.

**Lazy Wife.** Immensely popular everywhere. It is exceedingly productive and easily gathered. Probably this is why it comes by its very discourteous name. It is an excellent bean.

**Golden Champion.** Decidedly the best Wax Pole Bean. The pods are long, meaty and of exceptional quality. The vines cling well to the pole, a very important feature. The vine begins bearing when quite young and continues to bear profusely until cut down by frost. It is the earliest pole bean grown, and the most prolific bearer. The cut shows the exceeding productiveness of this bean. Its large, meaty golden colored pods may be taken off in handfuls. It is no trouble to pick them.

**Golden Carmine Horticultural Pole Bean.** Excels in earliness and productiveness. In this new strain we have a wonderfully robust grower, a week to ten days earlier than Worcester Horticultural Pole. In comparison the pods are equally as large, stringless, bright golden color when very young. As the pods approach full size, they are mottled and streaked with an unusually bright carmine color on the bright golden, which gives the pods when ready for market a strikingly beautiful and attractive appearance. This, together with its productiveness will, make it the most desirable strain of this well known and popular bean.

**Mammoth Podded Horticultural Pole Bean.** Similar in general character to the London Horticultural, but larger in every way. The mammoth pods are striped and splashed with exceedingly brilliant crimson. The beans, when fit for use, are of immense size and of the finest quality, and when dry are colored and marked in the same way as the pods. This variety has been sold under many names, such as Worcesters, Hampden and Mugwump Pole, but a great deal of the stock offered has been impure, many plants being like London Horticultural. We have developed a stock which is pure and sure to please all who plant it.



CARMINE  
HORTICULTURAL





# POLE BEANS.

THE LIMA VARIETIES.

**Siebert's Early Lima.** Introduced in 1895. Practical value has been the object aimed at in the development of this grand variety. It is the outcome of the labors of a skillful market gardener who selected for several years the largest green beans from the thinnest and most easily opened pods. The vine is very productive and continues so from the very first to the last of the season, so that although the pods rarely contain more than four beans the total yield is enormous. The green shelled beans are of immense size and are tender and succulent. They shrink in drying to about the size of the Large White Lima. In earliness, ease of shelling, size, beauty and quality of the green beans, this variety is far in advance of all other sorts. It is recognized as the best of all the Limas for either the garden or market.

**Early Jersey Lima.** Ten days earlier than any other Lima. We recommend this variety to all who desire a profitable Lima bean.

**Ford's Mammoth Pole Lima.** The largest and most productive Lima Bean. The pods of this most desirable bean grow to an average length of 8 inches and are produced in great clusters. The pods have from 5 to 7 beans of excellent quality, both green and dry.

**Dreer's Improved Lima.** Also called Challenger Lima, Thorburn's Lima, Potato Lima, etc. This is a bean of rather peculiar shape, being thick and plump rather than flat and oval. It is a very "meaty" bean, of excellent flavor and high table quality. The vine has the lima habit of growth, and is very productive, with pods always well filled. The beans are delicious. When green they nearly equal the ordinary large lima bean in size, but are thicker, sweeter and more tender. They remain green in the pod a long time after maturing. The pods, which are borne in clusters, average four or five inches in length, and each pod contains four or five thick beans, squared at the ends by pressure. The beans are easily shelled and are in wide favor.

**King of the Garden Lima.** This is the grand old standard market and family sort, which nothing can displace from public favor. It is no longer a new bean, but is still the best for main crop. It is vigorous in growth and immensely productive. The vine begins to produce pods near the foot of the pole, and the bearing season continues without interruption until frost. The pods are large, numerous and well filled, and the beans are of mammoth size. The handsome pods often attain a length of five, six, seven or even eight inches with five or six full and perfectly formed beans in each pod. No lima bean is more widely or more favorably known throughout the United States than the King of the Garden. It is a market favorite.



LARGE LIMA POLE.

**Small White Lima, Carolina or Sieva.** Vines vigorous with many short branches, so that they are sometimes grown without poles; very early and productive, with small, smooth, dark green leaves; pods short, curved, thin, flat; beans white, small, kidney-shaped.

**Large White Lima.** The Large Lima is a general favorite wherever it can be cultivated; the germ of this bean is very delicate, and sometimes the first planting is destroyed by cold and wet weather; to insure against this, the beans can be sprouted in small flower pots, or by placing them on sods of earth, placed in a frame, covered lightly with soil, and planting them out when the weather becomes warm; this will increase their earliness fully two or three weeks.

## Price List of Pole Beans.

Kentucky Wonder,  
Scarlet Runner,  
London Horticultural,  
Speckled Cut Short,  
Dutch Case Knife,  
Southern Prolific,  
Early Golden Cluster,  
White Creaseback,  
Lazy Wife,  
Golden Champion,  
Golden Carmine,  
Mam. Poddied Hort,  
Siebert's Early Lima,  
Early Jersey Lima,  
Ford's Mammoth Lima,  
Dreer's Imp. Lima,  
King of Garden,  
Small White Lima,  
Large White Lima

ALL AT THE UNIFORM PRICE.

BY MAIL POSTPAID.

Pkt., 5c., pt., 25c.; qt., 45c.

BY EXPRESS OR FREIGHT NOT PREPAID.

½ Pk., \$1.00; Pk., \$1.75.

## FOR MANY YEARS

Leonard's Seed Store has supplied seeds to the large majority of the Chicago Market Gardeners. Our trade with this critical class of buyers is increasing each year, and we do not know of a case of dissatisfaction. Our seeds have the best name; our sales to market gardeners are more than the combined similar sales of the other Chicago houses. This is a record to be proud of, and it guarantees to all who place orders with us that the best the market affords will be sent to them. Our position as Market Gardeners' Seedmen is well and favorably known both at home and throughout the country. Our pre eminent standing in this line of the Seed Business has been long established.

.. ..





LEONARD'S EGYPTIAN.

## TABLE BEETS.

**Leonard's Egyptian.** This is the earliest and best bunching beet for market gardeners. It has been grown for the past twelve years by the gardeners of Chicago, and now they will take no other for early bunching. It is a specially selected strain, grown by us for the past ten years, and is being improved each year, and is superior to any other strain of Egyptian beet.



EDMAND'S.

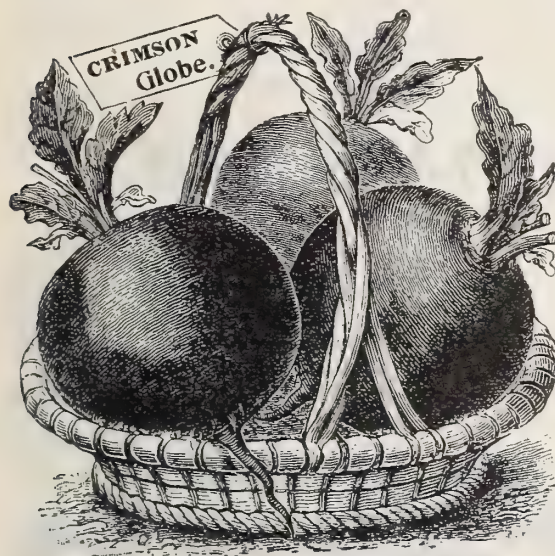
**Edmand's Early Blood Turnip.** The best sort for general crop. In quality one of the finest; exceedingly dark, shape globular, having only one tap root. Very popular with market men.

**Crimson Globe.** This is one of the finest beets yet introduced. Roots are not large, but very handsome. Round, and a clean, smooth surface. Leaves very small, with slender stems. We can recommend this beet for bunching, as its color and shape make them quick sellers.

**Detroit Dark Red Turnip.** Long experience has shown this variety to be the best deep red turnip beet, not only for market gardeners, but for home use. It is also by far the best for canning, making a strikingly handsome product, much superior to that obtained from any other variety. Its small, upright-growing tops, early maturing, and the splendid shape and color of the roots, make it popular with every one who plants it. Tops small, upright-growing, so that the rows may be close together; leaf stems and veins dark red, blade green; roots very crisp; tender and sweet, and remaining so for a long time. We believe that stock of this variety will produce a crop more uniform in shape, color, and quality than any other.

**Early Turnip Bassano.** Tops large; leaf stems light red; leaves light green; roots large, round, turnip-shaped; flesh pink, zoned with white; very sweet and tender when young, but becoming woody and tasteless with age. An excellent sort to plant for use as "greens."

**Long Dark Blood.** A standard late variety and keeps well through the winter. It is of good size, long, smooth, growing half out of the ground; with few or no side roots. Skin dark purple, almost black; flesh dark red, very tender and sweet.



**Half Long Blood.** This is an entirely distinct variety and by far the best for winter use. The deep red roots are very symmetrical, two or three times as long as thick and always smooth and handsome. The flesh is rich, dark red, very sweet, crisp and tender, never becoming woody even in portions above the ground, and it retains its good quality longer than other sorts. We consider this the most valuable variety for winter and spring use.

**Crosby's Egyptian.** A selection from that old market beet, Early Egyptian, which retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape. It is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. A very desirable sort for small beets for early market, as it is in presentable market shape quicker than any variety except Leonard's Egyptian. It is a very rapid grower and can be sown outside as late as July.

**Swiss Chard or Sea Kale Beet.** Although little known in America, this vegetable is worthy of a place in every garden. The leaf and the leaf stems are the parts used and they are much superior to those of other beets to use as greens. Later in the season the broad flat, beautiful, wax-like leaf stems are cooked as a salad or pickled.

## TABLE BEET PRICE LIST.

Leonard's Egyptian,  
Edmand's,  
Early Bassano,  
Crosby's Egyptian,  
Bastians,  
Electric

Early Eclipse,  
Crimson's Globe,  
Half Long Blood,  
Improved Blood Turnip,  
Dewings,  
Columbia,

Early Egyptian,  
Detroit,  
Long Dark Blood,  
Swiss Chard,  
Arlington.

All at the uniform price by mail postpaid. Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 60c. By freight or express not prepaid, 5 lbs., \$2.50; 10 lbs., \$4.75.



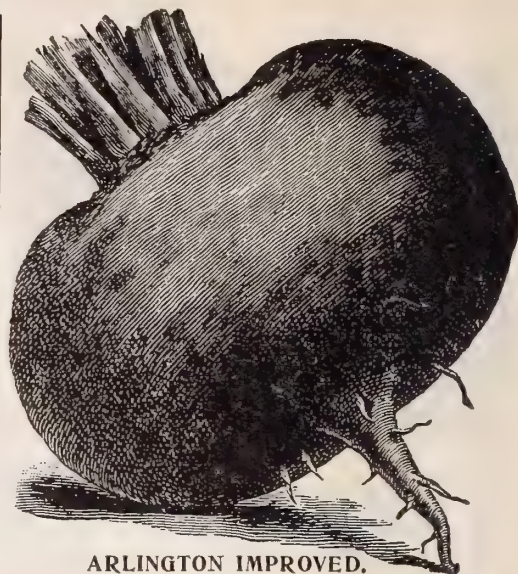
CROSBY'S EGYPTIAN.





EARLY TURNIP BASSANO.

THE  
PRICES OF  
ALL THE  
VARIETIES  
OF TABLE  
BEETS WILL  
BE FOUND  
ON THE  
PRECED-  
ING PAGE.



ARLINGTON IMPROVED.

## TABLE BEETS.—Continued.

**Improved Early Blood Turnip.** An extra selected stock of blood turnip, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerably longer time to mature. Excellent for summer and autumn use.

**Bastian's Early Blood Turnip.** Tops small; stems purplish-pink; leaves bright green; roots with medium sized tap, turnip-shaped, bright red. Flesh light purplish-pink, zoned with white; crisp, tender, very sweet and of good quality.

**Dewing's Blood Turnip.** Tops medium sized; leaf stems and veins dark red; leaves green; roots dark red, turnip-shaped,

with large tap; flesh carmine red, zoned with lighter shade; tender, sweet, and a good keeper.

**Arlington Improved.** Early, deep round form; medium size; color, dark blood red; does not become stringy, but is sweet and tender at all times.

**Electric.** As early as Egyptian; this sort is well liked in the Eastern markets. It is almost round, leaves small, color very dark rich crimson, with rings of a lighter hue. Flavor delicate, rich and sugary.

**Columbia.** Round and smooth, with deep red flesh; early and very tender.

## CATTLE BEETS OR MANGELS.

**Long Red.** A large, long variety grown for stock feeding. It stands up well above the surface; color light red; flesh white and rose colored.

**Leonard's Improved Mammoth Long Red.** The largest and most productive variety. Immense crops can be grown from it.

**Norbiton Giant Long Red.** Very large, excellent variety for feeding stock. A heavy cropper in deep soil.

**Yellow Globe.** Globular shaped roots. More productive than Long Red in shallow soil. Very nutritious and a good keeper.

**Golden Tankard.** Shape cylindrical, color deep rich yellow, flesh yellow circled with white. Unequaled for feeding stock.

**Orange Globe.** We think this one of the best varieties of mangel wurzel grown for stock feeding. It has exceedingly small tops and few leaves; leaf stalks and blades green; roots medium sized, uniformly globe shaped, having a very small tap and few side roots.

## SUGAR BEETS.

**Vilmorin's Improved Sugar.** In general, the most desirable beet for the factory is the one containing the largest percentage of sugar.

**Klein Wanzleben.** A little larger than Vilmorin's Improved, yielding from twelve to eighteen tons per acre, and containing about the same amount of sugar. It grows below the surface, and the green leaves are rather large and spreading, with wavy edges.

**French, Veryrich.** A variety with large, long roots, yielding from fourteen to twenty tons per acre, and containing from 14 to 16 per cent. of sugar. The roots are below the surface, and the green leaves are upright in growth. The hardiest and easiest grown.

**Lane's Imperial Sugar.** Good for making sugar, also stock feeding. A hardy and productive sort. Yields fourteen to sixteen tons per acre, and contains about 16 per cent. of sugar.

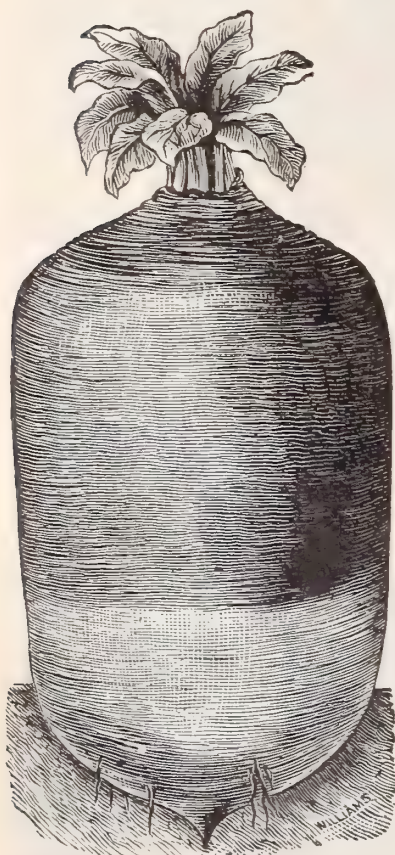
### PRICE LIST.

Mangels and Sugar Beets Postpaid.

	oz.	lb.	5 lb.		oz.	lb.	5 lb.
Long Red Mangel	\$0.05	\$0.30	\$1.50	Orange Globe	\$0.05	\$0.30	\$1.50
Leonard's Improved	.05	.30	1.50	Vilmorin's Sugar Beet	.05	.30	1.50
Norbiton Giant	.05	.30	1.50	Klein Wanzleben	.05	.30	1.50
Yellow Globe	.05	.30	1.50	French Veryrich	.05	.30	1.50
Golden Tankard	.05	.30	1.50	Lane's Imperial	.05	.30	1.50

Five Pounds Will Seed One Acre.

By freight or express at purchasers' cost for transportation; any variety of Mangel or Sugar Beet. 10 lbs, \$1.75; 25 lbs, \$3.75; 100 lbs., \$13.00.



Klein  
Wanz-  
leben  
Sugar  
Beet.





BRUSSELS SPROUTS.

prepared soil, and when plants are well established transplant to about one foot apart.

**Curled.** Greatly superior to the old, plain variety, being earlier, more handsome, and having fully as fine perfume and flavor. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ½ lb., 25c.; lb., 75c.

## CHIVES.

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops. Planted in clumps in any garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring and can be cut throughout the season. Roots, per bunch, 25c. by mail, postpaid.



COLLARDS.

or sow in drills where the plants are to remain, and thin to two or three feet apart in the row, when of proper size. In the south sow from January to May, and August to October. Pkt., 5c.; oz., 10c.; lb., \$1.00.

## CORN SALAD.

**Fetticus, or Lamb's Lettuce.** This small salad is used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. In warm weather the plants will mature in four to six weeks. Sow the seed in shallow drills about one foot apart, during



CORN SALAD.

August and September. If the soil is dry it should be firmly pressed over the seed in order to secure prompt germination. On the approach of severe cold weather, cover with straw or coarse litter. The plants will also do well if the seed is sown very early in the spring, and, like most salad plants, are greatly improved if sown on very rich soil; indeed the ground can scarcely be made too rich for them. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ½ lb., 20c.; lb., 60c.

**True Water.** This is quite distinct from the last, and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams. The plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt., 5c.; oz., 30c.; 2 oz., 55c.; ½ lb., \$1.00; lb., \$3.00.

## BROCCOLI.

**Ger., Brocoli, Spargel-Kohl. Fr., Chou Broculi. Sp., Broculi.** Nearly allied to the cauliflower, but more hardy. The seed should be sown in this district in the early part of May, and transplanted in June; further south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cold atmosphere.

**White Cape.** Heads medium size, close, compact, and of creamy white color. One of the most certain to head. Pkt., 10c.; oz., 40c.; ½ lb., \$1.50.

**Purple Cape.** Differs only in color. Pkt., 10c.; oz., 50c.; ½ lb., \$1.75.

**Welcheren.** A valuable variety, with very large firm heads. Pkt., 10c.; oz., 40c.; ½ lb., \$1.25.

## BRUSSELS SPROUTS.

**Ger., Kopf kohl Gruner. Fr., Chou de Broxelles.**

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts, resembling small cabbages, of excellent, mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the winters of the northern states; still by sowing in April and planting out in July, it may be had in fine condition until December, and in the southern states may be had in use from November to March.

**Tall French.** Very fine. Pkt., 5c.; oz., 15c.; ½ lb., 60c.; lb., \$2.00.

**Dwarf Improved.** A variety producing compact sprouts of excellent quality. Pkt., 5c.; oz., 15c.; lb., \$1.50.

## CHERVIL.

A hardy annual worthy of more general use for flavoring and garnishing. The curled variety is even more beautiful than parsley, and can be used to great advantage in beautifying dishes of meat and vegetables.

**Culture**—Sow in early spring in rich, well



CHERVIL.

## CHICORY.

**Large-rooted, or Coffee.** Our stock is the improved type, with very much larger, smoother, whiter and proportionately shorter roots than the old kind. The dried and prepared roots are used quite extensively as a substitute or adulterant for coffee. Sow the seed as early in the spring as the ground can be prepared, in a rather light, moderately rich soil, in drills fifteen inches apart for garden, and two to two and one-half feet for field culture. When the plants are sufficiently large, thin to four to six inches apart in the row. Keep clear of weeds, and in the fall dig the roots, slice them and dry in an apple evaporator, or kiln constructed for the purpose. Where the roots are grown in quantity for the manufacturers of the "prepared" chicory, they are usually brought to the factory in the "green" state and there dried in kilns constructed for the purpose. Pkt., 5c.; oz., 15c.; ½ lb., 50c.

## COLLARDS.

A variety of cabbage known in different sections as "Cole," "Colewort," or simply "Greens." It is extensively used in the south, where it continues in luxuriant growth all winter.

**Georgia, Southern or Creole.** We offer the true white or green stemmed sort so extensively used in the south, where it furnishes an abundance of food for man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing does not injure, but rather improves their quality. Sow thick in drills, in rich ground, transplanting when four inches high,



WATER CRESS.

## CRESS.



# CABBAGE.

FOR PRICES OF CABBAGE SEED  
SEE PAGE 30.



EARLY ETAMPES.

## EXTRA EARLY EXPRESS



EARLY JERSEY WAKEFIELD SELECT.



EARLY SPRING

Cabbage seed is one of our leading specialties. Chicago is and has been one of the most important growing and shipping centers for cabbages. Many carloads are shipped to all points of the country from Chicago every year. We are headquarters for such noted varieties as Holland, Luxemburg, Blue Fottlers and Faultless, and the excellent reputation of Leonard's strains of cabbage seeds is known wherever cabbages are raised.

### NOTE THIS.

We exercise exceptional care in growing and selecting our Cabbage seed. Not only are the plants grown from the best stock, but they are also inspected carefully before being put away for the winter. We can assure our customers that it is impossible to get better seed.

For the earliest supply, seed may be sown in September and the plants wintered in cold-frames, or seed started in hot-beds or cold-frames early in the spring. For the fall crop the seed should be sown early in June, and the young plants transplanted to the rows during the latter part of July. One ounce of seed will sow 300 feet of drill; two ounces sown thinly should provide plants enough for one acre.

Superior stocks are necessary to the prosperity of the market planter. The inferior article may be more attractive at the beginning, because it costs less, but the superior seed gives the more valuable product. You cannot afford to do without the best.

**Earliest Etampes.** Very similar to the above. The heads are fully as large, not quite so hard, but are of excellent quality. Sold for "Earliest of All," "Wonderful," etc.

**Extra Early Express.** An extra early sort, in which the plants are compact, with round, thick leaves, that form an oval head, which is astonishingly large for the size of the plants. The heads are comparatively thicker and less pointed than those of the Jersey Wakefield, and are only slightly later than those of that sort.

**Early Jersey Wakefield Cabbage.** Our selected stock. This is one of the most important varieties in the list. Great care must be exercised in the growing of the seed to have it pure and true to type. We give especial attention to the growing of our Wakefield stock, and its uniform excellence is a source of gratification to us. Our home gardeners are among the most critical buyers of cabbage seed in this country, and the fact that our stock suits them better than any other they can get gives assurance that it is what it should be.

**Large or Charleston Wakefield.** This is a selection from the best extra early Jersey Wakefield, which will average about 50 per cent larger. The type is well fixed and the variety is in many sections entirely taking the place of the extra early strain. Our stock is exceedingly choice.

**Early York.** Heads small, heart-shaped, firm and tender. Can be planted 15 to 18 inches apart.

**Early Winnigstadt.** The heads are of the same size as the Jersey Wakefield, but more sharply pointed in form and not so early. The leaves are rich dark green slightly glossy, most tightly folded, the heads being the hardest of any early cabbage. By reason of its great solidity it is also a popular variety to plant in the summer for winter use, or cutting for kraut.

**Early Spring.** Its great value lies in its being a first early flat cabbage, a type much preferred over pointed heads by many people. It has a short stem and only four to five outside leaves, and these so small that it may be planted 21 inches apart. Remembering that this is a first early flat variety, the shape that is so popular, and that it is ready fully a week earlier than any sort like it, its value can be readily appreciated. It is a sure, solid header, always producing a crop of large, uniform heads which seldom "burst." It is extensively grown in all sections of the country, and is pronounced a great success. There is no cabbage we know of having a more solid head; it has also the peculiarity of heading firmly at an early stage in its growth, so that the finest cabbage, though small, can be obtained long before it has attained its mature size. Quality unequalled.

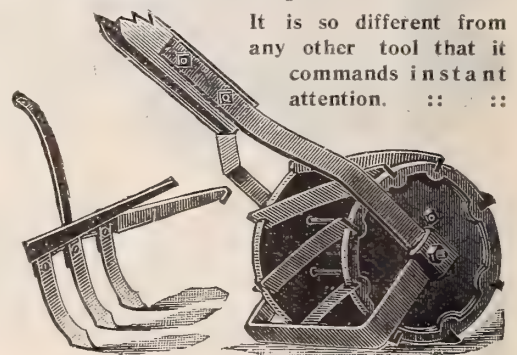
## The Barker Weeder.

It operates on the plan of a lawn mower. It is better than a hoe. It is ten times as fast. It is easy to operate. It forms a dust mulch. Buy a Barker Weeder and Mulcher and cut your garden the same as you buy a lawn mower to cut your lawn. Cut your weeds in your garden once a week. It cuts the weeds under the ground as well as the weeds out of the ground. It pulverizes the ground fine which holds the moisture to feed the plant.

The Barker is made in 3 sizes. Viz: 6-inch cut, 8½-inch cut, and 11-inch cut. Each machine is fitted up with leaf guards and tooth attachment. The 8½-inch cut is the standard size for onion sets and ordinary market garden crops. The 6-inch is for lettuce and crops that are planted in close rows. The 11-inch for crops that are planted from 14 to 18 inches apart in the rows.

Either Size Complete  
with all Attachments

Price, \$5.00



It is so different from  
any other tool that it  
commands instant  
attention. :: ::



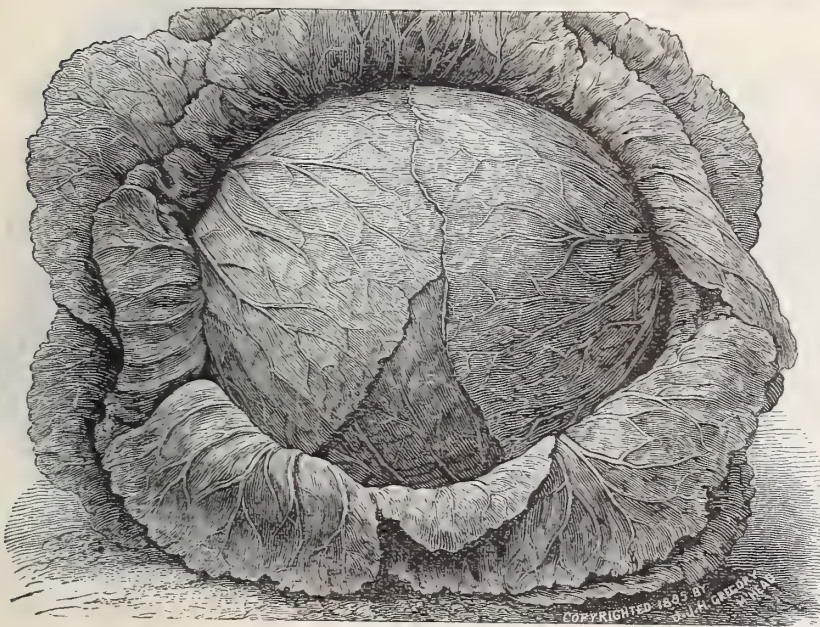
WE ARE MARKET GARDENERS' SEEDSMEN, THIS MEANS THAT QUALITY PREVAILS.

## CABBAGE.

OUR PRICES ARE LOW CONSIDERING THE EXCEPTIONAL QUALITY OF OUR SEEDS.



EARLY SUMMER CABBAGE.



ALL SEASONS.



EARLY DRUMHEAD.

**Early Summer.** This is a very valuable variety, not only for the market gardener, but also the private grower, as its heading season is between the Jersey Wakefield and early Drumhead, producing heads of double the size of the former and almost equal to the latter, frequently weighing from 12 to 20 pounds each; of round-flattened form, very compact, solid, and of excellent quality, its leaves turn into the heads almost as soon as formed, which permits of close planting—about 900 plants to the acre.

**Succession.** This recently introduced variety which originated on Long Island, we regard as valuable an acquisition, as the famous Early Summer, but produces heads of very much larger size, whether for an early, medium or late crop it is equally as valuable, in fact, it produces fine large heads at any season of the year.

**Vandergaw.** One of the best sorts for the market gardener, as it forms large, solid heads much larger than the Early Summer and almost as early; while planted later, it makes a first-class fall and winter sort. One of its main qualities is its almost absolute certainty to head.

**All Seasons.** The heads are darker blue in color than Fottler's and the plant covers more ground, but the heads are larger. The heads are extremely hard and solid, round, flattened on the top, and ready to market nearly as early as Early Summer, while considerably larger in size. It is called "All Seasons" because it is as good for autumn or winter as it is for early summer.

**Early Allhead.** For uniformity, reliability of heading, size, earliness and quality, it has no equal. It is also very profitable, since the outer leaves are so few, a close planting can be made, and 1,000 more cabbages per acre be grown than from seed of other sorts.

**The Lupton.** The Lupton Cabbage is the result of an effort to combine in one variety the best qualities of the second-early and the late sorts. It is a little earlier than any one of the various strains of Flat Dutch and Drumhead, and of closer growth. The heads are particularly large in proportion to the plant, which grows strong but does not spread out much. The stalk is rather short, color dark green.

**Early Flat Dutch.** This variety is equally as popular as the Early Drumhead, in fact the only distinction between them is in the form of the head, which although equally as solid and as large in size is almost flat; it is a sure header and very extensively planted.

**Early Drumhead.** This popular variety follows the Early Summer in heading and is one of the most valuable varieties grown, it is ready for marketing two to three weeks earlier than the Late Drumhead, forms large solid rounded heads weighing on an average from 15 to 25 pounds each; as a market variety it is really indispensable, especially for the South as it withstands the heat remarkably well.

**Blue Strain Fottler's Brunswick.** Of dwarf compact growth, the solid flat heads rest on the soil, while the few outer leaves grow closely about the heads. The foliage is a light bluish green. The heads are uniformly "hard and solid," and considerably earlier than the ordinary Flat Dutch strains. Good both for intermediate and winter use.

**Louisville Drumhead.** This fine cabbage is very popular with the kraut makers. It is a medium late variety, forming a large solid head, which seldom bursts. It is used largely by shippers in the vicinity of Chicago who ship cabbages south. It comes in between the second early and the late varieties.

Our position as MARKET GARDENERS' SEEDSMEN is well and favorably known both at home and throughout the country. Our pre-eminent standing in this line of the Seed Business has been long established. The Market Gardener, when he plants LEONARD'S SEEDS, may therefore feel reasonably sure that he is planting the best seed obtainable.



CABBAGE SEED IS ONE OF OUR  
SPECIALTIES. NONE BETTER.

## CABBAGE.

SEE OUR SPECIAL CABBAGE SEED  
STOCKS ON PAGE 31.

**Leonard's Luxemburg.** This cabbage will retain its fine green color until late in the spring, and is often sold for new cabbage after being covered all winter. Fine looking, of good size and excellent quality.

**Leonard's Improved Bridgeport Drumhead.** This is a standard winter variety on the Chicago markets, and is used largely for shipping south. Makes a very large solid head which stands long without bursting.

**Sure Head.** A fine variety for main crop. A good shipper and sure header.

**Stonemason Drumhead.** A late large heading variety, but not as fine grained as others.

**Marblehead Mammoth.** A large late variety of fairly good quality.

**Large Late Drumhead.** A late variety of large size.

**Premium Flat Dutch.** This variety of late cabbage is a standard in all sections for winter use. Our selected stock is unsurpassed. It makes a large solid head which keeps long without bursting, and is adapted to a more varied climate than probably any other variety we grow.

Our stock of Premium Flat Dutch has given excellent satisfaction both north and south for many years, and its great popularity at home puts its merits beyond question.

I find your seeds more satisfactory than any I have  
ever used, and have great faith in what you recommend.

CHAS. WALLS, Marion Co., Ills.

### PRICE LIST.

The packet, ounce and pound prices are for the seed prepaid by mail or express. Customers purchasing pounds or larger quantities to go with other goods, deduct 10 cents per lb.

	Pkt.	Oz.	$\frac{1}{2}$ lb.	lb.
Early Etampes.....	\$0.05	\$0.15	\$0.40	\$1.50
Early Express.....	.05	.15	.40	1.50
Early Jersey Wakefield.....	.05	.20	.60	2.00
Charleston Wakefield.....	.05	.20	.60	2.00
Early Wennigstadt.....	.05	.10	.35	1.25
Early York.....	.05	.10	.35	1.25
Early Spring.....	.05	.20	.60	2.00
Early Summer.....	.05	.15	.40	1.50
Succession.....	.05	.20	.60	2.00
Vandergaw.....	.05	.15	.40	1.50
All Seasons.....	.05	.20	.50	1.75
Early Allhead.....	.05	.20	.50	1.75
The Lupton.....	.05	.15	.40	1.50
Early Flat Dutch.....	.05	.15	.40	1.50
Early Drumhead.....	.05	.15	.40	1.50
Blue Strain Fottler.....	.05	.20	.50	2.00
Louisville Drumhead.....	.05	.15	.40	1.50
Leonard's Luxemburg.....	.05	.20	.60	2.00
Leonard's Improved Bridgeport.....	.05	.20	.60	2.00
Surehead.....	.05	.15	.40	1.50
Stonemason Drumhead.....	.05	.15	.40	1.50
Marblehead Mammoth.....	.05	.15	.40	1.50
Premium Flat Dutch.....	.05	.15	.40	1.50
Mammoth Rock Red.....	.05	.20	.50	1.75
Red Drumhead.....	.05	.15	.40	1.50
Danish Ballhead.....	.05	.20	.60	2.00

Leonard's Faultless Cabbage is a variety that  
we recommend.

### THE SAVOYS OR CURLY CABBAGES.

Where quality rather than size is desired, the Savoy varieties should always be sown. They have a rich and delicate flavor possessed by no other cabbages.

**Improved American Savoy.** Closely approaching the cauliflower in delicacy and delicious flavor. The best of all the Savoys for general market or home use. It has a short stump, grows to a large size, is compact and solid, and is a sure header. Pkt., 5c.; oz., 20c.;  $\frac{1}{2}$  lb., 60c.; lb., \$2.00.

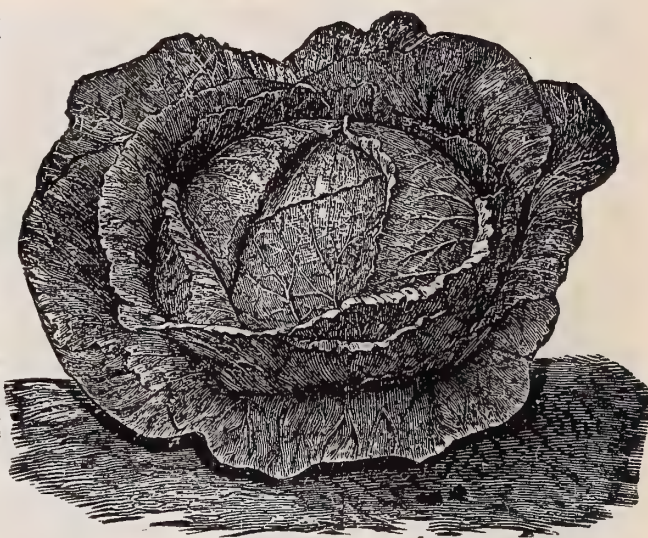
**Green Globe Savoy.** This does not make a firm head, but the whole of it being very tender and pleasant flavored, is used for cooking; leaves wrinkled and dark green; is very hardy and improved by frost. Pkt., 5c.; oz., 20c.;  $\frac{1}{2}$  lb., 60c.; lb., \$2.00.

### RED CABBAGES.

**Mammoth Rock Red.** The largest heading of any red sort. Heads are hard, of deep-red color, quality excellent.

**Red Drumhead.** The standard pickling variety. A good keeper.

**Danish Ballhead Cabbage.** For a winter cabbage for early spring sales some of our local gardeners consider this variety excellent. It is described as follows: It has been selected and perfected for more than fifty years by the Danish gardeners, who prize it so highly that they grow it almost exclusively for winter cabbage and annually export large quantities of it. It is hard heading and long keeping cabbage. Heads round as a ball, solid, fine grained, has few outer leaves, tender, crisp and of unexcelled flavor.



LEONARD'S LUXEMBURG.



LEONARD'S IMPROVED BRIDGEPORT DRUMHEAD.



PREMIUM FLAT DUTCH.



# CABBAGE—SPECIAL STOCKS

## LEONARD'S FAULTLESS CABBAGE



LEONARD'S FAULTLESS CABBAGE

## THE HOLLAND CABBAGE LEONARD'S STRAIN.

THE HEAVIEST CABBAGE FOR THE SIZE OF  
HEAD EVER INTRODUCED.

This cabbage in many localities is the most popular for winter and early spring marketing. It is heavy and remains solid longer than any other long keeping cabbage. For winter shipping it is unsurpassed. The main question for the grower to solve is where to get the genuine seed, for the popularity and paying qualities of the cabbage itself, when it is right, are points long ago decided.

Seed of the true Holland Cabbage is not plentiful; it is produced on a limited area at one or two points only. Seed grown anywhere else deteriorates, fails to show up the proper characteristics and is but a very unsatisfactory substitute. Since 1896 we have succeeded in securing the seed crops of a grower of this cabbage which for uniformity have met the requirements of the large cabbage growers of Chicago, Racine and other Holland cabbage shipping points, and which have made for us a reputation for handling the best strain of this imported article. We introduced the seed as **Leonard's Strain** and our sales are only limited by the quantity of seed our grower can produce. We do not hesitate to say that Leonard's strain of Holland cabbage is the purest to be had. Pkt., 10c.; oz., 25c., 1-4 Lb., 60c.

Per Pound, \$2.00



GLORY OF ENKHUIZEN.

IS NOW AND FOR TEN YEARS  
HAS BEEN THE FAVORITE  
SECOND EARLY CABBAGE  
AT CHICAGO.

The product of this seed out-sells any other second early cabbage two to one on the home market. It can be marketed in the early summer; during midsummer, in the fall and early winter, making it the best all purpose variety ever introduced. It is popular alike with the grocer, kraut maker and shipper. It is possessed of earliness, large size, compactness and will produce more salable heads to the acre than any other stock we know of. It is of the succession type, but is earlier, head is rounder, sits out of the under leaves higher, has a darker color of leaf and can be planted closer. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 60c.

There is no Substitute for this Cabbage,  
the Strain is Distinct and can be had from  
one source only.

Pound, \$2.00



## The Holland Cabbage SHORT STEM STRAIN.

This strain of Holland Cabbage differs from the original Leonard Strain in the height of the stem only. In all other respects it is the same. It has been bred up to meet the requirements of the grower who works heavy, rich land. The long stem of the original strain in extra heavy soil has been thought to be something of a fault and the growers have been calling for a stock that would retain all the good points of the original with the additional advantage of dwarfier habit. We confidentially recommend this strain as being an ideal stock to all growers who deem their soil over-rich for the original long stem strain. We also recommend it for trial to all growers of Holland Cabbage. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 60c.

Per Pound, \$2.00

## GLORY OF ENKHUIZEN

This is an excellent mid-summer variety. It comes in about a week earlier than all seasons, makes a nice large head, has few outer leaves and can be planted close. Our tests show it to be worthy of a place among the new varieties of merit and we can recommend it as a good addition to the list. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

Per Pound, \$2.50



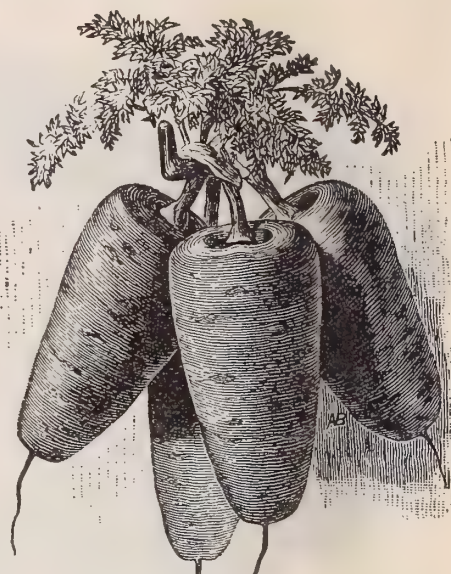
# CARROTS.



FRENCH FORCING.



DANVERS CARROT.



CHANTENAY CARROT.



GUERANDE OR OX HEART CARROT.

✓ **Early French Forcing.** The earliest variety in cultivation and the best suited for forcing. Tops small, finely divided. The reddish-orange colored roots are nearly round. When fully matured they are about 2 inches in diameter, but should be used before they are full grown and while young and tender.

✓ **Half Long Nantes.** Tops of medium size; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core. Of the finest quality and one of the most symmetrical and handsome of the medium sized sorts; excellent for the market or home garden.

✓ **Early Short Horn.** Excellent for early planting out of doors. Tops small, coarsely divided; roots top-shaped, but tapering abruptly to a small tap; skin orange-red.

✓ **Guérande, or Ox Heart.** Tops small for the size of the roots which are comparatively short but often reach a diameter of 5 inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. When young excellent for table use and when mature, equally good for stock.

✓ **Chantenay.** Tops medium sized; necks small; roots tapering slightly but uniformly stump rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable

size as early as any, is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort.

✓ **Danvers.** Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops of medium size, coarsely divided. The smooth and handsome roots are deep orange, of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. Although the roots of this variety are short, they produce as large a bulk as the longer field sorts and are more easily harvested.

✓ **Long Orange.** An improvement obtained by years of careful selection of the best formed and deepest colored roots of the old Long Orange, and of the older sorts for farm use the most popular on mellow soil. Roots shorter, thicker and smoother than those of the Long Orange, but so uniform and true that the bulk of the crop will be greater.

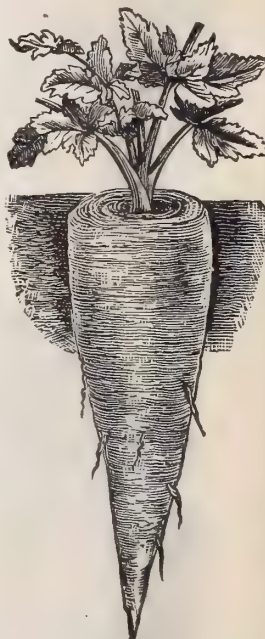
✓ **St. Valéry.** A good late variety. It grows long, shape uniform, tapering from a wide shoulder to a point.

✓ **White Belgian.** Grows one-third out of the ground. Root white, green above ground with small top. Flesh rather coarse. The roots are of large size and the variety is extensively grown for stock feeding.

✓ **Improved Short White.** We think this distinct variety is destined to take first rank as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested.

## PRICES POSTPAID.

	Pkt.	Oz.	$\frac{1}{2}$ Lb.	Lb.		Pkt.	Oz.	$\frac{1}{2}$ Lb.	Lb.
Early French Forcing...	\$0.05	\$0.10	\$0.20	\$0.75	Danvers.....	\$0.05	0.10	\$0.20	\$0.65
Early Horn.....	.05	.10	.20	.75	Saint Vallery.....	.05	.10	.20	.65
Half Long Nantes.....	.05	.10	.20	.65	Long Orange.....	.05	.10	.15	.55
Chantenay.....	.05	.10	.20	.65	White Belgian.....	.05	.05	.15	.50
Guérande or Ox Heart.....	.05	.10	.20	.65	Improved Short White.....	.05	.10	.15	.50



LONG ORANGE.

## WE MAKE EVERYTHING PLAIN ON PAGE ONE.

Before sealing up your order be sure to read that page. You will then know *what we do* and *what you are to do*. Misunderstandings will thus be avoided and there will be no disappointment when the goods reach you. We guarantee to do our part if you will do yours. We cannot afford to have you dissatisfied with us. *We Want Your Trade* because we know that our goods will give you satisfaction. *Our Prices are Right* and we try to make our descriptions plain and straightforward. We deplore the *exaggeration and humbug* which fills the Catalogues of so many of the mail order seedsmen.



# CAULIFLOWER.



**LEONARD'S SNOWBALL CAULIFLOWER.**  
Photograph of Three Average Heads.

Grown by Wm. Rudenga, a successful Chicago gardener.

**NOTE THE PRICES:** Mailing pkts., 15c.;  $\frac{1}{4}$  oz., 65c.;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.00;  $\frac{1}{4}$  lb., \$8.00; lb., \$32.00. These Prices for the Danish Dry Weather also.

## DANISH DRY WEATHER.

We take pleasure in introducing this Cauliflower to our customers. It is from one of the best growers in Denmark and we recommend it highly to market gardeners for trial. It is claimed to be a splendid strain for a dry season and equally good in all weathers—From the reports we hear regarding this stock from gardeners who tried it last year we consider it a valuable addition to the list and a worthy companion to Our Famous Snowball.

### NOTE THIS TESTIMONIAL.

Utah, Oct. 20th, 1906.

Leonard Seed Co., Chicago.

Dear Sir: Are you going to have any more of that **DANISH DRY WEATHER CAULIFLOWER**? If you are, please hold me one pound. I tried it this season and found it to be the best I have ever planted in this dry climate. I am growing late Cauliflower for pickling purposes and the dry weather stock is just what I want as it heads all in a bunch, just when the pickling season is on and before the frost takes the cucumbers.

W. S. JENKINS.



**DANISH DRY WEATHER CAULIFLOWER**

**Leonard's Earliest Erfurt.** A variety that has given excellent satisfaction to our home gardeners. It is snow white and a sure header. Gardeners will be amply repaid by giving this variety a fair trial. Oz., \$2.00;  $\frac{1}{4}$  lb., \$8.00.

**Extra Early Paris.** This is a good early sort, and in a good season does well. Not as sure a header as the higher priced varieties. Oz., 50c.;  $\frac{1}{4}$  lb., \$2.00.

**Autumn Giant.** A late sort of fairly good quality. Will do well under favorable conditions. Oz., 50c.;  $\frac{1}{4}$  lb., \$1.75.

**Le Normand's Short Stem.** Considered by the French one

of the very best sorts. Plant hardy, compact growing, and producing many leaves which protect the close, solid curd, keeping it well blanched. Pkt., 5c.; oz., 75c.; 2 oz., \$1.25;  $\frac{1}{4}$  lb., \$2.25.

**Large Algiers.** A valuable late sort, of the best quality, and very popular everywhere. Plant large, but of upright growth, the leaves protecting the heads so that they will endure uninjured a frost that would ruin other sorts. Pkt., 5c.; oz., 80c.; 2 oz., \$1.50;  $\frac{1}{4}$  lb., \$2.75.

Superior stocks are necessary to the prosperity of the Market Planter. The inferior article may be more attractive at the beginning because it costs less but the Superior Seed gives the more valuable product. :: :: :: :: :: :: :: :: :: :: :: ::



# CELERY.



**NEW GOLDEN SELF-BLANCHING CELERY.**

**Boston Market.** For many years one of the most popular sorts in the markets of Boston. Instead of a single large heart it forms a number of smaller ones, which are very white, and remarkably tender and crisp. The best variety for light soils

**Golden Self-Blanching.** The best self-blanching sort. It acquires a handsome golden color without having to be hilled up, which makes it a valuable market sort.

**White Plume.** A good self-blanching sort, good for fall use, but does not keep well.

**Giant Golden Heart.** This variety attains a large size, but still remains crisp and tender. It is a fine keeper and is a favorite on the Chicago market.

**Dwarf Golden Heart.** A distinct variety of sturdy, dwarf habit. It is solid, an excellent keeper, and of fine, nutty flavor. The heart, which is large and full, is of a light yellow when blanched making this an exceedingly showy and desirable variety for both market and private use.

**Dwarf White Solid.** Dwarf, white, stiff close habit; solid, crisp and of fair quality. This variety is also sold as Large Ribbed Kalamazoo and Kalamazoo.

**Crawford's Half Dwarf.** When blanched is of rather yellowish-white color, and is quite solid and well flavored. It is vigorous in growth, and equals some of the large growing sorts in weight of blanched stalks per plant.



**GIANT PASCAL.**

**Perfection Heartwell.** A fine flavored, crisp and tender variety. The plants are a little taller than Crawford's Half Dwarf and a little later in maturing. The stalks are of medium size, round, very solid, crisp, tender, white and of exceedingly fine and nutty flavor.



**DWARF  
WHITE SOLID.**

**Seymour's White Solid.** A large sized, vigorous growing variety; stalks white, round, very crisp; perfectly solid and of superior flavor.

**Soup or Cutting Celery.** This variety is adapted to sowing thick in rows and cutting when three or four inches high, to use for soup flavoring.

**Evans' Triumph.** One of the best late sorts. This variety has a very strong and vigorous plant with large, very white, crisp, brittle, tender and fine flavored stalks. It is late and requires the whole season to develop, but will keep well for a very long time.

**Giant Pascal.** This is a green leaved variety developed from the Golden Yellow Self-Blanching, and is an excellent sort for fall and winter use. It blanches to a beautiful yellowish-white color, is very solid and crisp and of a fine nutty flavor. Especially recommended for the south where it is prized more than almost any other kind.



**CELERIAC—LARGE SMOOTH PRAGUE.**

## GERMAN CELERY OR CELERIAC.

**Large Smooth Prague.** Has a large smooth root, and is the finest of all celeriac.

**Apple Shaped.** Not as smooth as the above, but of good form.

**Turnip Rooted.** This is the ordinary and well-known variety.

## CELERY PRICES.

	Pkt.	Oz.	1 lb.	Lb.
Golden Self-Blanching.	\$0.05	\$0.20	\$0.75	\$2.50
White Plume	5	20	60	2.00
Giant Golden Heart	5	15	50	1.50
Dwarf Golden Heart	5	15	50	1.50
Dwarf White Solid	5	15	40	1.35
Crawford's Half Dwarf	5	15	40	1.35
Perfection Heartwell	5	15	40	1.25
Boston Market.	5	15	40	1.25
Seymour White Solid	5	15	40	1.25
Evans' Triumph	5	15	40	1.25
Giant Pascal	5	15	40	1.25
Soup or Cutting	5	10	30	1.00
Smooth Prague Celeriac	5	15	50	1.50
Apple Shaped Celeriac	5	15	40	1.25
Turnip Rooted Celeriac	5	15	40	1.25



## SWEET CORN.

**Mammoth White Cory.** The ears are twelve rowed, fully twice the size of the old Cory, white cobbled, and covered with very large white grains of good quality. No other sweet corn will find ready sale in a market which is supplied with Mammoth White Cory, and the gardener who wishes to get the cream of the trade should make his plantings of this splendid novelty.

**Early Cory Red Cob.** This variety is the favorite for first early, and no other variety has proved earlier.

**White Cob Cory.** This is an improvement over the Early Cory, as the cob is white, which gives it a finer appearance. It is as early as the Early Cory and of excellent quality.

**Chicago Market or Ballard.** This is the largest and best early corn in existence, twelve rowed, white cobbled and of exceedingly fine quality.

**Oakview Early Market.** The introducer's description: A variety originating on our Oakview seed farm. Similar in general character to our Mammoth White Cory, but with decidedly larger ears, which mature quite as early. It is of especial value to market gardeners, as in early corn the largest ears usually control the market. The plant is about four feet high, the ears large, twelve to fourteen-rowed, with white, square grains.

**Extra Early Adams.** This is an extra early field variety, but is much used as an early market variety, being sweet and juicy.

**Early Minnesota.** One of the standard early sorts. Ready for market two weeks later than Cory or Chicago Market.

**Perry's Hybrid.** An early variety of splendid quality. Kernels tinged with pink when ripe, with white cob.

**New Champion.** This corn is unsurpassed for market use, owing to its large size and fine appearance. It is medium early, coming in at the same time as Perry's Hybrid. It is fourteen rowed and a splendid cropper. All should try it.

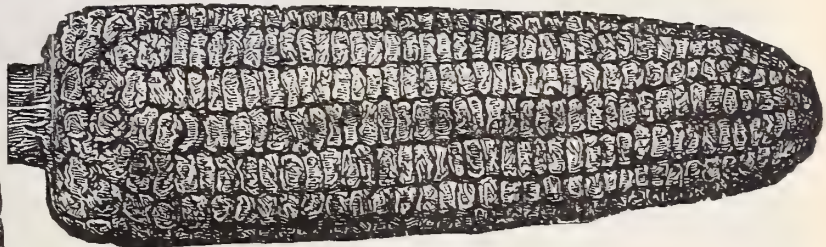
**Moore's Early Concord.** A well known early variety of large size, twelve rowed and of excellent quality. This makes a fine market corn.

**Kendall's Early Giant.** A valuable new early sweet corn. The ears grow to a tremendous size, measuring eight to ten inches long, and having ten to eighteen rows on each cob, the majority having twelve rows; kernels pure white; sweet, tender.

**Crosby's Early.** An early corn of large size and choice quality. It has long been a standard variety.

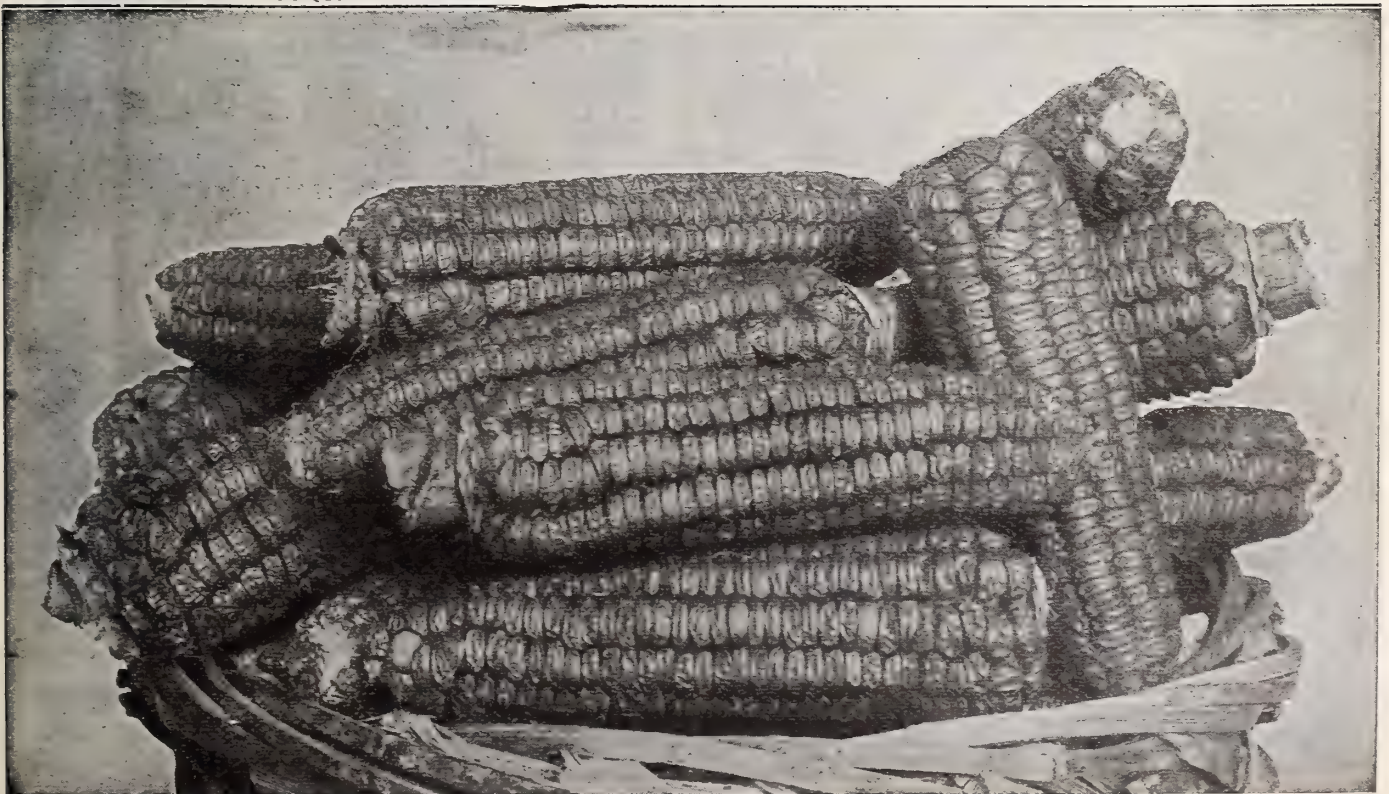


MAMMOTH  
WHITE  
CORY.



CHICAGO MARKET OR BALLARD.

NOTICE OUR FIELD CORN AND FODDER CORN PAGES ALSO  
POP CORN, BROOM CORN AND KAFFIR CORN IN FARM SEED  
DEPARTMENT. :: :: :: :: :: :: :: ::



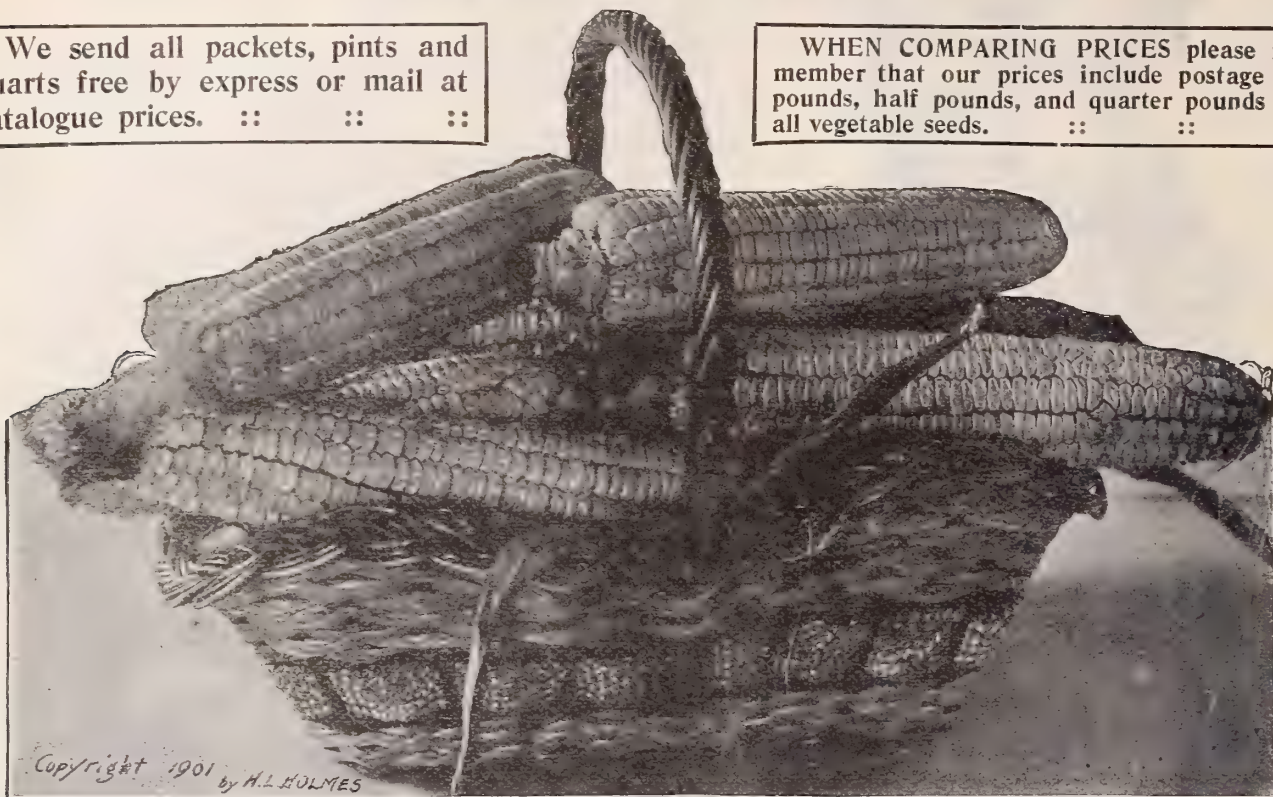
EARLY CORY RED COB.



# SWEET CORN.

We send all packets, pints and quarts free by express or mail at catalogue prices. :: :: ::

WHEN COMPARING PRICES please remember that our prices include postage on pounds, half pounds, and quarter pounds of all vegetable seeds. :: :: ::



PREMO SWEET CORN.

## PREMO SWEET CORN.

The illustration herewith is from a photograph. It is a "sixty-day" sweet corn, and is thus described by the originators: "It not only combines all the merits of the leading early varieties, but it is also really superior to them all in size, quality and yield. Premo can be planted fully as early as the Adams, for the young plants withstand slight frosts, while other varieties are tender and the seed of them will rot if planted before the soil becomes warm. The stalks grow about 5 feet high and are very vigorous, generally bearing two well-developed ears to a stalk." Many favorable testimonials have been received regarding this corn, and from our own tests (having grown several acres the past season) we do not hesitate to recommend it to our friends.

**Peep O'Day Sweet Corn.** This variety is claimed to be the earliest sweet corn. It is of Minnesota origin and has been offered in the Minneapolis market from five to seven days earlier than any other well known kind in the trade. Ears 5 inches long, perfectly formed, well filled. The corn is tender and sweet. We are very positive about the earliness of this variety, and that our customers will make no mistake in planting some of it for first early. Our stock came directly from the introducers two years ago and has been improved by our careful selection of the stock seed. We therefore offer our seed with full confidence that it is the best to be had.

**Hickox Hybrid.** Earlier than Stowell's Evergreen, and makes a large, attractive ear of very white and handsome grain. It is one of the best varieties for canners' use. By planting it at the same time as Stowell's Evergreen the season will be lengthened considerably, as the Hickox will be about through by the time Stowell's Evergreen comes in; very prolific, ordinarily every stalk will have two large, fully developed ears. The best sort for drying.

**Early Evergreen.** The ears of this new corn grows 8 inches long, are mostly 14 to 18 rows. This is a magnificent kind for market gradeners and for main crop in every home garden. It ripens 10 to 12 days in advance of Stowell's Evergreen and is equally as good for all purposes. The kernels are very sweet and tender, and when eaten from the cob break off free from husky tips so common to some otherwise fine table corns. Remaining green a long time, two plantings will extend the season until frost.

**Metropolitan.** A new early sort, only a few days later than Cory. The ears are about 9 inches in length, 10 to 12 rowed, well filled to the tip with large, deep kernels, which are very sweet and tender; in fact, possesses that richness found in the later and larger kinds. It is an excellent variety for market gardeners as well, on account of its size, earliness, productiveness and quality.

**Zigzag Evergreen.** This fine new strain possesses the distinct characteristics which have made Stowell's Evergreen so deservedly the favorite for main crop, but produces ears fit to use from one week to ten days earlier.

**Old Colony.** This variety is two weeks earlier than the Evergreen, and almost as large. It is considered the best and sweetest by canning factories. A fine paying variety for market.

**Country Gentleman.** We have a stock of this excellent sweet corn that is exceptionally true to type. There is no sweet corn that compares with the Country Gentleman for sweetness. It is the variety par excellence where quality is desired. Market gardeners who make a specialty of growing for hotels and high class restaurant trade use this as a main crop variety in preference to any other.

For home use it will be found superior and it is very productive. The fact that it is a favorite variety with canners proves its merit.

**Egyptian or Washington Market.** A standard variety, in season between Evergreen and Mammoth Sugar. Very sweet and well adapted for canning.

**Mammoth Sugar.** A large late variety having ears of mammoth size, 14 to 20 rows. Quality excellent, not exceeded by any variety. A good canners' variety, being white grained and very uniform. A week later than Stowell's Evergreen.

**Black Mexican.** This corn, when in condition for the table, cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. For family use it is considered by many the most desirable of the medium late sorts. It does especially well for second early in the south.

**White Mexican Sweet Corn.** White Mexican is a heavy yielding, early maturing Sweet Corn. It ranks in a class with White Cob Cory and is a better yielder. Height 4 feet; ear about six and one half inches long. Quality good. This is a fine sort to plant on light ground or in Northern localities. Also a good market variety for first early. Pkt., 10c.; pt., 20c.; pk., \$1.50.



COUNTRY GENTLEMAN SWEET CORN—SELECTED STOCK.

Country Gentleman is one of the best varieties. :: ::



# SWEET CORN.

## STOWELL'S EVERGREEN.

This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden. Great care has to be exercised in the selection of stock to grow seed from, as this variety has a tendency to deterioration and a shorter grain, which makes it less sugary and desirable. To avoid dissatisfaction, all planters should seek seed which has been especially selected, and not buy anything that may be offered as Evergreen, at low figures. We have a large and growing trade among canners and market gardeners who must have a genuine Stowell's Evergreen, and our stock is known far and wide as the safest seed for all purposes. There has been in the past few years a tendency in the seed trade to disregard quality for the sake of low price, and this makes it necessary for seedsmen who give care to the selection of their stocks, to call especial notice to the fact.

**White Evergreen.** This is a high-bred white type of Stowell's Evergreen. From one pure white-grained ear, accidentally discovered six years ago, it has been developed by careful work, only the finest white-eared product being saved and selected each season. The stalks are of strong vigorous growth, six to seven feet high. The ears are very large and average large; they are uniformly well filled to the tip with long slender grains of the purest whiteness and most delicious sweet flavor. Market gardeners, canners, and all lovers of sugar corn have been long looking for a white sweet corn as good as Stowells. They can now have it—sweet and tender, of the very finest quality. When in the green state both cob and grains are White as Snow.

**Early Sheffield.** This new extra early is the result of a cross between the Cory and Extra Early Adams by Dr. Van Fleet, the well-known hybridizer. It combines the robust growth and extreme hardness of the Extra Early Adams, with the finer sugary quality of the Cory. Ears average six inches in length and are well filled with grains of medium size, arranged in ten or twelve regular rows. The grains are juicy and of good sweet flavor if gathered at the proper stage. It is as hardy as the Adams, ready for use earlier, and of much sweeter quality. One of its strongest recommendations as a market variety is the entire freedom from smut, which so frequently destroys extra early.

### SWEET CORN PRICE LIST.

We send all packets, pints and quarts free by express or mail at catalogue prices. Purchaser pays the freight on half pecks, pecks and bushels.

	Pkt.	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.	Bu.
Peep O' Day.....	\$0.10	\$0.20	\$0.30	\$0.50	\$0.90	\$3.00
Premo.....	.10	.20	.30	.50	.90	3.00
Oakview Early Market.....	.10	.20	.30	.50	.90	3.00
Mammoth White Cory.....	.10	.20	.30	.50	.90	3.00
Early Cory Red Cob.....	.10	.20	.30	.50	.90	3.00
Early Champion.....	.10	.20	.30	.50	.90	3.00
Perry's Hybrid.....	.10	.20	.30	.50	.90	3.00
Metropolitan.....	.10	.20	.30	.50	.90	3.00
Adam's Early.....	.05	.20	.30	.50	.90	3.00
Early Minnesota.....	.05	.20	.30	.50	.90	3.00
Chicago Market.....	.05	.20	.30	.50	.90	3.00
Early Crosby.....	.05	.20	.30	.50	.90	3.00
Early Evergreen.....	.10	.20	.30	.50	.90	3.00
Moore's Early Concord.....	.10	.20	.30	.50	.90	3.00
Old Colony.....	.10	.20	.30	.50	.90	3.00
Country Gentleman.....	.10	.20	.30	.50	.90	3.00
Black Mexican.....	.10	.20	.30	.50	.90	3.00
Hickox.....	.10	.20	.30	.50	.90	3.00
Late Mammoth.....	.10	.20	.30	.50	.90	3.00
Zig Zag Evergreen.....	.10	.20	.30	.50	.90	3.00
Stowell's Evergreen.....	.10	.20	.30	.50	.90	3.00
White Evergreen.....	.10	.20	.30	.50	.90	3.00
Early Sheffield.....	.10	.20	.30	.50	.90	3.00

Our position as MARKET GARDENERS' SEEDSMEN is well and favorably known both at home and throughout the country. Our pre-eminent standing in this line of the Seed Business has been long established. The Market Gardener or Amateur Planter, when he uses LEONARD'S SEEDS, may therefore feel reasonably sure that he is planting the best seed obtainable.

During the many years that we have operated as SEED GROWERS and ONION SET PRODUCERS we have been enabled to breed up special stocks particularly adapted to the needs of the commercial truck farmer, and it is well understood that our specialties in onion, cucumber, cauliflower, and other important market gardeners' seeds are leaders wherever planted.



### SWEET CORN FOR FODDER.

There is nothing better for green feed, or for curing for winter, than sweet corn. Sow in drills or broadcast. Pk., 50c., bu., \$2.

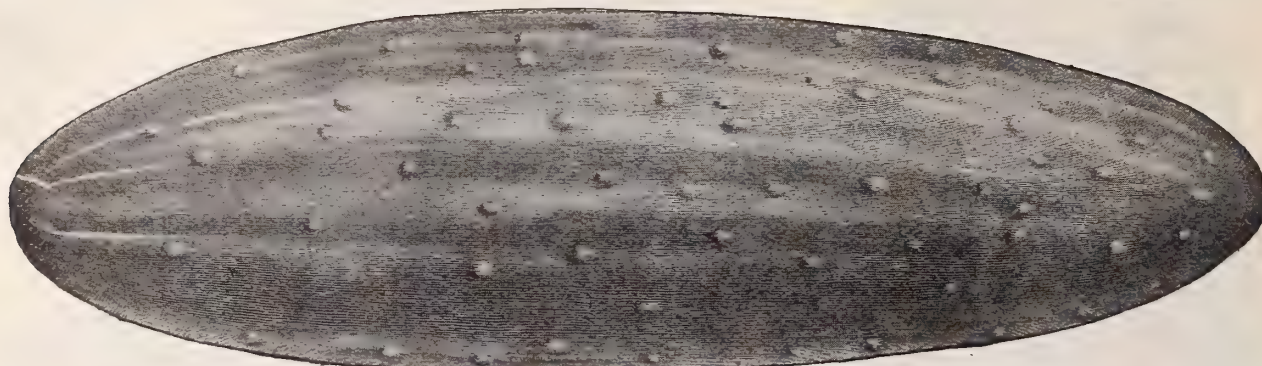


The kind that  
sells for a  
Dollar a dozen

## CUCUMBER.

### LEONARD'S GREENHOUSE.

Equally good  
in Hot Bed  
or Greenhouse



LEONARD'S GREENHOUSE CUCUMBER.

#### WELL TRIED INSIDE.

This cucumber has been well tried by expert greenhouse growers. In every case they report great satisfaction with it. Our stock is somewhat limited and as our customers are many we must limit the quantity sold to any individual buyer at three pounds.

This is a stock of cucumber upon which we have spent much time. The seed we offer is of our own growing and the selection is from the finest types only. The value of it to market gardeners and greenhouse men who desire a uniform, deep green, extra long cucumber will be appreciated as soon as tried. For many years we have been aiming to perfect this stock and at last our efforts have been rewarded. Nothing more choice in the way of a greenhouse cucumber has ever been sent out.

#### ALSO OUTDOORS.

Our friends who grow their cucumbers outside will find this stock superior in all respects for this purpose also. It requires no extra culture, forms a slicer of exceeding firmness, is an early bearer and very productive. Just try it.



#### EVERGREEN WHITE SPINE.

Beautiful in shape and color, and of the finest quality. The fruit is long, cylindrical, dark green, with very white, crisp and tender flesh. An entirely new and distinct sort developed through very careful selection, our aim being to secure the best possible table cucumber. The vine is vigorous and productive, and comes into full bearing early. An excellent sort for culture under glass.

**Fordhook Famous.** Of the true White Spine type. Vines produce an enormous crop, being of unusually vigorous growth. Perfectly smooth and very dark green, the handsome fruits measure 12 to 18 inches long; they are always straight—never turn yellow, and are extra solid. The beautiful white flesh is firm, crisp, and of most delicious flavor. The flesh seems to be all there is of the cucumber, as the seed space is extremely small.

**Cool and Crisp.** A strain of White Spine somewhat like the Arlington, but larger and less symmetrical. The flesh is peculiarly crisp and tender, and it is one of the very best for table use.

**The Emerald.** Retains every good point in the best strains of White Spine, and in addition, possesses that rich dark green color which has so long been sought for, but never before obtained. It is strictly an evergreen, retaining its color until fully ripe. On sight its distinct dark green and spineless skin attracts attention.

#### CUCUMBER PRICE LIST.

	Pkt.	Oz.	$\frac{1}{2}$ -Lb.	Lb.
Evergreen White Spine.....	\$0.05	\$0.10	\$0.20	\$0.75
Early White Spine.....	.05	.10	.20	.75
Arlington White Spine.....	.05	.10	.20	.75
Cool and Crisp.....	.05	.10	.20	.75
Albino.....	.05	.15	.25	1.00
The Emerald.....	.05	.10	.25	1.00
Leonard's Greenhouse.....	.05	.15	.50	1.60
Fordhook Famous.....	.05	.10	.25	1.00



THE EMERALD CUCUMBER.

Those who Grow Cucumbers Under Glass Should  
Have Our Greenhouse Cucumber.



# CUCUMBER.



CHICAGO PICKLING.

**Chicago or Westerfield Pickling.** A variety esteemed above all others by Chicago market gardeners, and grown extensively for the large pickling establishments in this vicinity. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early cucumber.

**West India Gherkin.** A very small, oval prickly sort, distinct from all others. It is grown for pickles only. It is the smallest of all cucumbers, and should be pickled when young. Pkt, 5c.; Oz., 15c.

**Early Russian.** Earliest and hardest small cucumber in cultivation, being only 3 to 4 inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.

**Improved Long Green.** Not so abundant a bearer as the preceding sorts, though recommended to all who put up their own pickles; fruit long and slim; not surpassed in quality by any variety. This is not the ordinary long green, but a much superior sort, being longer and of better proportion.

**Parisian Prolific Pickling.** A slim and slender pickle, from 3 to 5 inches long, covered with black, hairy spines. The fruits are of the deepest green, which, combined with its brittle crispness, renders it an ideal pickle. When in the pickling stage the cucumbers show no sign of seed.

Superior stocks are necessary to the prosperity of the market planter. The inferior article may be more attractive at the beginning, because it costs less, but the superior seed gives the more valuable product. You cannot afford to do without the best.

**Early Cluster.** Vines vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, uniformly thick end, dark green, but paler at blossom end. A very productive sort.

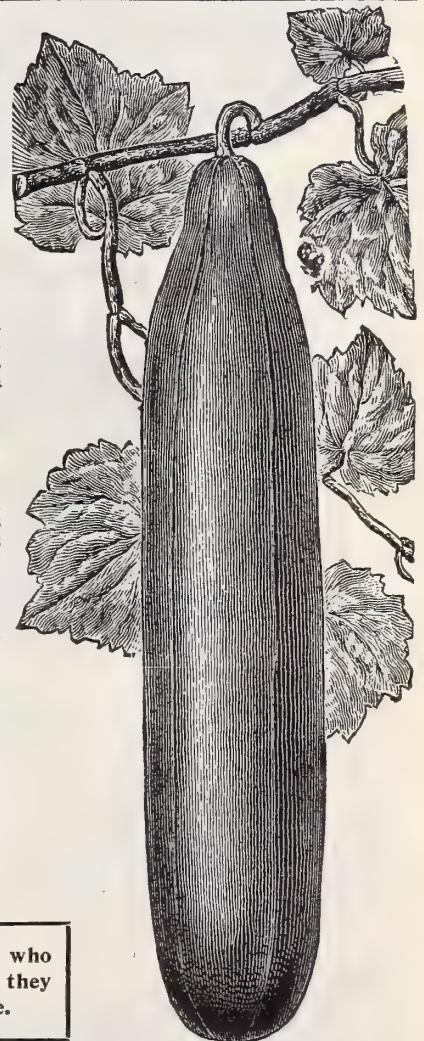
**Green Prolific or Boston Pickling.** A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.

**Nichol's Medium Green.** A valuable and handsome variety, in shape between White Spine and Long Green. An excellent sort for pickles and useful for forcing. Very prolific. Fruit straight and smooth; color dark green; flesh tender and crisp.

**Early Frame or Short Green.** An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green; flesh tender and crisp; and makes fine pickles.

**Jersey Pickle.** Sixty days to make pickles. It is productive, and is said to "green" better than other any variety, and to "hold color." Early spring sowings will develop fruit of pickling size, 2 to 3 inches long, in sixty days. Early summer sowings in thirty days.

**Thorburn's Everbearing.** Small size, very early and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of very fine quality, both for slicing and pickling. Invariably of perfect form, even when very small.



GIANT PERA.

**Japanese Climbing.** While all cucumbers are running vines, yet this variety is much more creeping, or climbing in its habit, so much so that it quickly climbs on poles or trellise in the same manner as the Pole Lima bean. It is entirely distinct. The quality is splendid.

**Early White Spine.** One of the best sorts for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor.

**Arlington.** A selection from the White Spine, being more pointed at each end. The young fruits are unusually crisp and tender, and are of very dark green color.

**Giant Pera.** An exceedingly large growing sort, of excellent quality for slicing. Shape long, thick and smooth, having no spines. Pkt., 5c.; Oz., 15c.

Send the address of your friends who are interested in a good garden and they will receive a copy of this Catalogue.

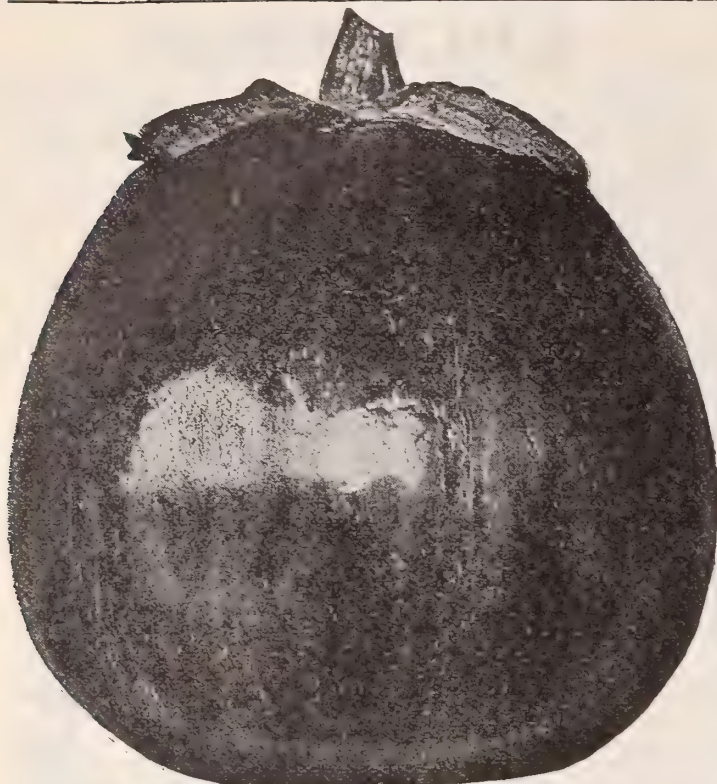
## CUCUMBER PRICE LIST.

Prices include free delivery to your post office or express office. If to go with other goods at your expense by express or freight deduct 10 cents per lb. from prices quoted.

	Pkt.	Oz.	$\frac{1}{2}$ -Lb.	Lb.
Chicago Pickling.....	\$0.05	\$0.10	\$0.20	\$0.75
Early Russian.....	.05	.10	.20	.75
Early Cluster.....	.05	.10	.20	.75
Green Prolific.....	.05	.10	.20	.75
Nichol's Medium Green.....	.05	.10	.20	.75
Early Frame.....	.05	.10	.20	.75
Jersey Pickle.....	.05	.10	.20	.75
Thorburn's Everbearing.....	.05	.10	.20	.75
Japanese Climbing.....	.05	.10	.20	.75
Improved Long Green.....	.05	.10	.25	1.00
Parisian Pickling.....	.05	.10	.25	1.00







IMPROVED NEW YORK SPINELESS EGG PLANT.



FLORENCE FENNEL.

## FLORENCE FENNEL.

An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. It deserves to be used extensively. The thickened bases of the leaf stalks form a head or enlargement (see cut), firm, white and sweet. Height of plant, 2 feet. Pkt., 5c.; oz., 10c.



GARLIC.

## DANDELION.

Culture.—Sow early in the spring, on very warm, rich soil, in drills eighteen inches apart; thin the young plants to five inches in the row and cultivate well; they will be fit for cutting the next spring. When grown for the roots, sow in September and cultivate well during the fall and the following summer; the roots will be fit to dig in October. Roots are sometimes removed from the field to the hotbed or house for forcing. Roots dug in fall and dried are sold for medicinal purposes.

**Cultivated or French Common.** This is considered the best by many and is not at all the same as our wild dandelion, being greatly improved by careful selection. Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ½ lb., 60c.; lb., \$1.75.

**Improved Thick Leaved.** One of the earliest and best greens in cultivation. Pkt., 5c.; oz., 50c.; 2 oz., 85c.; ½ lb., \$1.50; lb., \$5.00.

## EGG PLANT.

Culture.—Egg Plant seed germinates slowly and should be started in strong heat, for in this, as in all sub-tropical plants, it is of importance to secure a rapid and continuous growth from the first, the plants never recovering from a check received when young. When the plants have formed two rough leaves transplant to three or four inches apart. When the ground is warm and all danger not only from frosts, but from cold nights is past, harden off the plants by gradual exposure to the sun and air, and decreasing the supply of water, then carefully transplant into the open ground, setting the plants two and a half feet apart. If needed, shade the young plants and protect them from the potato bug, which will often destroy them. Some seasons egg plants will fail to set fruit or will not begin bearing until too late to mature, no matter how faithfully they may have been cared for. This is especially likely to happen if the summer is cool and rather moist. We know of no certain remedy for it, though pinching off the ends of the branches after the plants begin to bloom and not letting more than two or three fruits set, is a good practice.

**Leonard's Improved New York Purple Spineless.** Very large and smooth, fine dark color. Ours is the spineless plant, most preferred by our market gardeners, both east and west. We have made the most careful selection possible of our stock plants, and know it to be unsurpassed for the market. Pkt., 5c.; oz., 25c.; ½ lb., \$1.00.

**Black Pekin.** A fine variety, bearing large, round, deep purple fruits, fine grained, and of superior quality. Pkt., 5c.; oz., 25c.; ½ lb., 75c.

**Early Long Purple.** Early, hardy and productive; excellent for the table. Pkt., 5c.; oz., 25c.

**The Pearl.** A new white variety. Pkt., 5c.; oz., 25c.

## ENDIVE.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

Ger., Endivien. Fr., Chicoree. Sp., Endivia.

**Green Curled.** Beautifully curled, tender and crisp. Pkt., 5c.; oz., 15c.; ½ lb., 40c.; lb., \$1.00.

**Moss Curled.** More finely curled, and a heavier and more dense plant than Green Curled. Pkt., 5c.; oz., 15c.; ½ lb., 40c.; lb., \$1.00.

**White Curled.** Very tender when cut young; blanches readily. Pkt., 5c.; oz., 15c.; ½ lb., 40c.; lb., \$1.00.

**Broad-Leaved Batavian.** (Escarrole.) This variety is chiefly used in soups and stews; requires to be tied up in blanching. Pkt., 5c.; oz., 15c.; ½ lb., 50c.

## GARLIC.

A bulbous rooted plant, with a strong, penetrating odor, but much esteemed by some for flavoring soups, stews, etc. We frequently receive orders for garlic seed, but we can only supply bulbs. Lb., 30c., postpaid.

By express or freight, at expense of purchaser.  
Lb., 20c.; 25 lbs., \$4.00; 50 lbs., \$7.00; 100 lbs., \$12.00.

## HORSE RADISH.

Horse radish produces no seed, but is grown from pieces of the roots.

Culture.—Mark off rows two and one-half feet apart in rich, moist, well prepared ground, and set the pieces of roots eighteen inches apart in the rows, vertically, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

Roots, per dozen, 20c., postpaid.

Roots, per 1,000, \$5.50.



HORSE RADISH.



HERBS.

SWEET, MEDICINAL.

To preserve varieties of which the leaves and stems are used, the stems should be cut from the plants just before the blossom appears (leaving a few joints at the base to sprout into fresh growth), tied in small bunches and hung up to dry. Where wanted for home use it is preferable to leave them hanging in a cool loft or garret until they are needed for use.

	Pkt.	Oz.	Lb.
Annis.	\$0.05	\$0.15	
Balm.	.05	.25	
Basil.	.05	.10	
Borage.	.05	.10	
Caraway.	.05	.65	
Coriander.	.05	.05	
Dill.	.05	.10	1.00
Fennel.	.05	.50	
Horehound.	.05	.25	
Hyssop.	.05	.25	
Lavender.	.05	.15	
Sweet Marjoram.	.05	.15	1.50
Rosemary.	.05	.40	
Rue.	.05	.25	
Sage—Broad Leaf.	.05	.20	2.00
Saffron.	.05	.15	
Savory, Summer.	.05	.25	
Thyme.	.05	.20	



DWARF CURLED SCOTCH KALE.

LEEK.

Belongs to the onion family. Sow the seed and care for the young plants as for onions, but they need more room in order to develop fully. When the young plant is about the size of a goose quill, transplant to a prepared bed in rows one foot apart and four or five inches in the row. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

**London Flag.** This is the variety generally cultivated in this country. It is hardy and of good quality. Pkt., 5c.; oz., 10c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.

**Large American Flag.** A variety which has become very popular with some market gardeners on account of its being larger than the London Flag. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.25.

**Large Rouen.** Stem very large but comparatively short; the leaf is very broad, covered with whitish bloom. Stands a long time in condition for use. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.25.

**Monstrous Carentan.** The largest variety, often 3 inches in diameter and becoming very white and tender. A hardy and desirable sort. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.50.



The Barker  
WEEDER.

It works on the plan of a lawn mower. It is so different from any other tool that it commands instant attention. The lower knife in connection with the revolving blades kills every weed.

Price \$5.00

KOHL-RABI.

Kohl-Rabi, Ger. Chou Rave, Fr. Col de Nabo o Nabicol, Sp.

One ounce of seed will sow a drill of about one hundred and fifty feet.

**Earliest Erfurt.** A White, tender variety, with a smooth root and very short top; the best variety for outdoor culture. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.

**Early Short Leaved White Vienna.** The finest for market. Flesh white and tender. Oz., 20c.; ¼ lb., 50c.

**Early Purple Vienna.** Bluish purple; similar to the above, except in color. Pkt., 5c.; oz., 15c.

**Large Green.** Hardy, quite late, and used for feeding stock. Bulbs large, weighing 8 to 10 pounds, whitish green in color; leaves large and numerous. Oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Send us the names of your neighbors and we will mail them a copy of our catalogue.



KOHL-RABI.

KALE, OR BORECOLE.

One ounce of seed will sow a drill of about two hundred feet.

**Tall Green Curled Scotch.** This is very hardy and is not injured by a moderate frost. About 30 inches tall, with an abundance of dark green leaves which are densely curled and cut, forming a very beautiful plant. It stands the winters in the Middle States without any protection. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 75c.

**Dwarf Curled Scotch, or German Greens.** Plant low and compact, but with large, bright, deep green leaves, curled, cut and crimped until the whole plant resembles a bunch of moss. It would be well worthy of cultivation simply for its beauty. One of the best sorts for use, and when well grown and cooked is one of the most palatable of vegetables. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 75c.

**Half Dwarf Moss Curled.** A variety intermediate between the tall and dwarf, having much of the hardness of the tall and the beauty of the dwarf sorts. Pkt., 5c.; oz., 10c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.

**Siberian.** Sometimes called Sprouts and German Greens. In this variety the very large, green leaves are comparatively plain in the center but coarsely cut and frilled on the edge. The plant is low but spreading and very hardy. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 60c.

**Imperial, or Slow Seeder.** A strain of Siberian in which the plants are slower to develop their seed stalks and consequently remain longer in condition for use. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 60c.

**German Dwarf Purple.** Similar to the Dwarf Curled Scotch, but of a rich purple color. Pkt., 5c.; oz., 10c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.



LEEK—MUSSELBURGH.



# LETTUCE.



ST. LOUIS HEAD LETTUCE.

**St. Louis Head.** The most popular and satisfactory head lettuce with the Chicago market gardeners. It forms a fine head, is tender and crisp, and is very slow to run to seed. Outer leaves are light green, and the inner ones are bright, creamy yellow, of a very fine flavor. Altogether, we recommend it as being the best head lettuce for general use.

**All Seasons.** One of the best all head lettuces, standing the hot sun better than any other sort. Slow to seed. Handsome; enormous size; color, light green.

**Immensity.** This is an excellent large heading variety. It is slow to run to seed and maintains its crispness and tenderness longer than any similar kind. It is not early but is absolutely reliable for a late crop, and has good heat resisting qualities.



IMMENSITY LETTUCE.

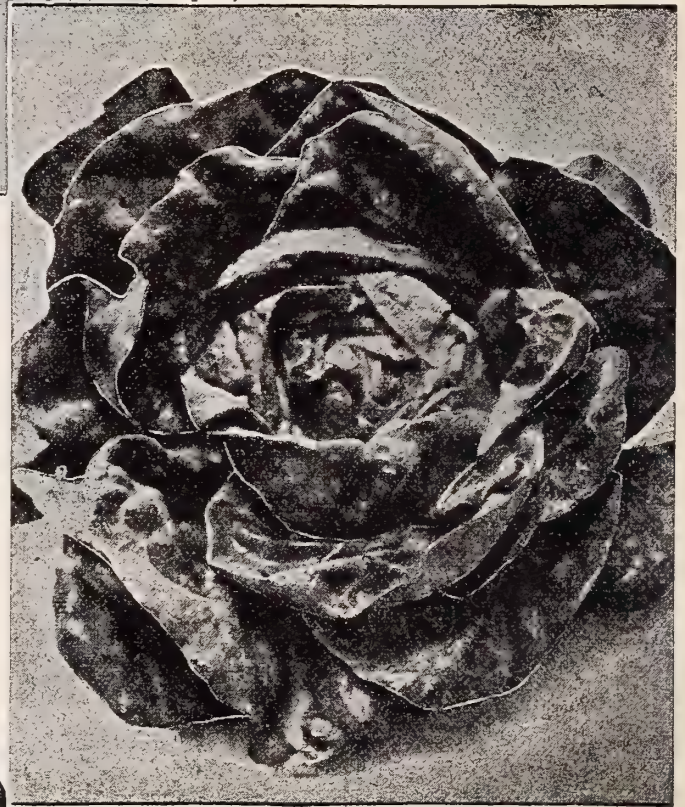
**New Lettuce. Precocity.** An exceedingly early heading variety, compact, tender, solid and of fine quality. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.

**New Lettuce. Matador.** Medium sized; very solid head, medium early, tender, crisp and long standing. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.

**New Lettuce. Density.** Very compact, can be planted six inches apart without crowding. Very attractive in appearance and of excellent quality. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.

**New Lettuce. "Unrivalled."** An improvement on the famous Big Boston Lettuce, possessing all the good qualities of this kind, viz.: earliness, large size, attractive color, etc. Its additional value lies in the fact that it can be sown almost the whole year round; it resists summer heat remarkably well, is crisp and solid when other sorts become tough and flabby under the same conditions. Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.

**May King. The New Early Head Lettuce.** Plant this lettuce for the first early head lettuce. It is equally good for outdoor planting or forcing. In our trials, this lettuce made a remarkable showing. The outer leaves have a slightly brownish tinge, while the heart is a beautiful yellow, very crisp and tender, for substance and for quality melts in the mouth like butter. Its growth is extremely rapid and its fine large heads are ready in advance of any other heading variety. Pkt., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.



ALL SEASON'S LETTUCE.

**The Deacon.** A magnificent butter head lettuce. It stands the hot weather without becoming bitter or running to seed, and bears fine, large heads of superb quality. Light green outside, and, within, a beautiful cream yellow of delicious, rich, buttery flavor. Highly recommended for home or market use.

**Prize Head.** A good header. Solid and large.

**California Cream Butter.** A grand, good butter lettuce. The heads are of good size, round and solid; outside, medium green; within, the leaves are a rich cream yellow color. Rich and buttery in taste.

**Hanson.** Heads very large, from two to three pounds each; hearts quickly and stands the summer well; quality excellent.

Prices of all varieties of lettuce on this page, except where otherwise noted, are: Pkt., 3c.;  $\frac{1}{4}$  oz., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 80c., postpaid.



# LETTUCE.

**Black Seeded Simpson.** We have a fine strain of this lettuce carefully selected. This is the most popular sort on the Chicago market. Forms large, loose heads. Leaves thin and exceedingly tender, of light green to golden yellow. Best sort for forcing or outdoor early planting.

**Early Curled Simpson White Seed.** Forms a close, compact mass of curly yellowish green leaves. Earlier than the head varieties. Good for cold frames or early planting for outdoors.

**Grand Rapids Forcing.** Preferred by a great many to the Black Seeded Simpson, on account of being a tougher leaved lettuce. This makes it a fine sort for shipping, as it does not break so easily, and stands longer without wilting. Fine appearance and strong grower, and will not rot as quickly as other sorts.

Prices of  
all Varieties  
at Foot of  
Page.



BLACK SEEDSIMPSON LETTUCE.

**The Morse.** A careful selection from the Black Seeded Simpson. Leaves are wrinkled and of a beautiful green color. For growing under glass it is a very desirable sort. Leaves are large and tender.

**Tilton's White Star.** A good early lettuce, rapidly becoming popular with market gardeners for sowing under glass.

**Salamander.** This will stand the summer heat better than any other variety. Fine improved strain.



CHARTIER HEAD LETTUCE.

**Iceberg.** A beautiful lettuce. Large, curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched.

**Brown Dutch.** This variety is a good seller. Makes a round head tinged with red.

Note the  
New  
Sorts at  
the Top  
of Page  
42, Give  
Them  
a Trial.



ICEBERG LETTUCE.

**Big Boston.** This variety is identical in color, shape and general appearance with the famous Boston Market lettuce, but is double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A most desirable variety, either for forcing in cold frames or open ground planting. The Big Boston is sure to be wanted by market gardeners and trucksters, because it always produces large, solid, salable heads, and will commend itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality.

**Wonderful.** Introduced four years ago and continually growing in favor. The large, white heads resemble cabbage in their solidity, and frequently weigh two and three pounds each. The quality is superb, being crisp, rich and tender. It withstands the heat well, making a fine variety for all seasons.



BIG BOSTON.

**Denver Market.** This is a fine crisp, crimped head variety. It has a slight tinge of red at the edges of the leaves. The ribs are a waxy white, being tender and free from bitterness.

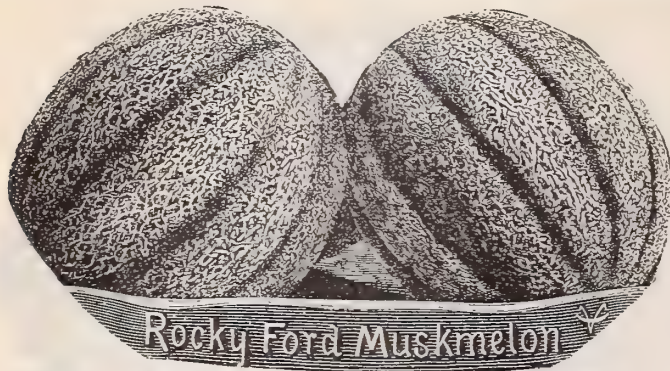
**Paris White Cos.** The Cos lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height, and five or six inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be annually grown to supply the markets of London alone.

Prices of all varieties of lettuce on this page, except where noted otherwise, are: Pkt., 3c.; ½ oz., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 80c., postpaid.

All of  
Our  
Seeds  
Are the  
Kinds  
That will  
Give the  
Best  
Results.







Rocky Ford Muskmelon



CHICAGO MARKET MUSK MELON.



PAUL ROSE MUSK MELON.



THE OSAGE MUSK MELON.

## MUSK MELON

**Rocky Ford.** This musk melon is the oval strain of Netted Gem, brought into prominence by the melon growers in the vicinity of Rocky Ford, Colorado, who have shipped this melon from that distant western point to eastern markets. The melons grown by them are so fine in quality as to outsell all others, and the demand for such melons has been far beyond the supply.

**Skillman's Netted.** An excellent early melon with fine, tender flesh.

**Netted Gem.** The best early melon known. Shipped to every market of note, in great quantities, every year. Medium size, but of excellent flavor.

**Jenny Lind.** A good early melon.

**Green Fleshed Osage.** Quality of the best, flesh a beautiful pea green; also a good shipper.

**Early Hackensack.** A green fleshed nutmeg, of excellent form. A very early and splendid melon.

**Hackensack.** A large, deeply netted melon, flattened at the ends, of most delicate flavor, and very productive.

**Champion Market.** Shape almost round, deeply ribbed; skin heavily netted; flesh light green, rich and sweet.

**Chicago Market.** Fruit large, round or slightly oval and covered with dense netting. Flesh green, medium texture, very thick and sweet.

**Melrose.** A fine new melon, having splendid keeping qualities and with flesh of extra choice quality.

**Columbus.** A very fine melon. Almost a perfect ball, with a thickly netted skin, giving it a very handsome appearance.

**Bay View.** A large, prolific and fine flavored, green-fleshed melon.

**Acme or Baltimore.** A very productive, oblong musk melon, that is quite popular in the Baltimore markets.

**The Princess.** This melon is one of the best for the home garden. In shape it is nearly round, with heavy netted dark green skin. The flesh is salmon color, thick, sweet and luscious.

**The Osage.** A remarkably fine variety, and a very profitable sort for market gardeners, as it is fully established as a standard sort, and will ever remain so. It is of medium size, oval in form, dark green in color, handsomely-netted and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color; highly flavored and delicious to the rind. Cavity very small. It is a remarkable keeper and a good shipping melon.

**Emerald Gem Melon.** The Emerald Gem is entirely unlike any other musk melon yet introduced. The melons are about the size of the Netted Gem, but, unlike that variety, the skin, while ribbed, is perfectly smooth, and of a very deep emerald green color. The flesh, which is thicker than any other native melon of the same size, is of a suffused salmon color.

**Banquet.** A medium sized variety, nearly round, flattened at the ends, densely netted. Flesh dark rich salmon, uniformly thick, flavor unsurpassed, rivaling the Netted Gem.

**Tip Top.** A new melon of recent introduction, and very deserving. All who have tried it have pronounced it one of the finest. Flesh yellow and sweet.

**Surprise.** This old variety is still highly esteemed. Fruit nearly round, but slightly lobed and netted. Skin yellowish white. Flesh deep salmon color, very sweet and high flavored.

**Delmonico Musk Melon.** A new oval-shaped musk melon of large size, finely netted, and has beautiful orange pink flesh, and is pronounced by connoisseurs to be a melon of par excellence.

**Paul Rose, Petosky or Salmon Fleshed Gem.** This is the original salmon fleshed "basket" melon. It holds the same place in the salmon fleshed sorts as the Netted Gem does in the green fleshed. Where a salmon fleshed Gem is in demand, the Paul Rose will meet the requirement. Our tests do not show that any of the more recent introductions of the Salmon Fleshed Gems differ materially from this one.

### PRICE LIST

The packet, ounce and pound prices are for the seed prepaid by mail or express. Customers purchasing pounds or larger quantities to go with other goods, deduct 10 cents per lb.

	Pkt.	Oz.	1/4 Lb	Lb.
Paul Rose	\$.05	\$.10	\$.20	\$0.60
The Princess	.05	.10	.20	.60
Osage	.05	.10	.20	.60
Emerald Gem	.05	.10	.30	1.00
Banquet	.05	.10	.30	1.00
Tip Top	.05	.10	.30	1.00
Surprise	.05	.10	.30	1.00
Delmonico	.05	.10	.30	1.00
McCotter's Pride	.05	.10	.20	.60
Bay View	.05	.10	.20	.60
Rocky Ford	.05	.10	.15	.40
Skillman's	.05	.10	.20	.60
Netted Gem	.05	.10	.15	.50
Jenny Lind	.05	.10	.20	.60
Green Osage	.05	.10	.30	1.00
Early Hackensack	.05	.10	.20	.60
Hackensack	.05	.10	.20	.60
Champion Market	.05	.10	.30	1.00
Chicago Market	.05	.10	.20	.60
Melrose	.05	.10	.30	1.00
Columbus	.05	.10	.30	1.00
Acme	.05	.10	.20	.60





## MANGO MELONS.

**Garden Lemon.** An excellent fruit for preserving. Is shaped as shown in cut. Has a decided acid flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

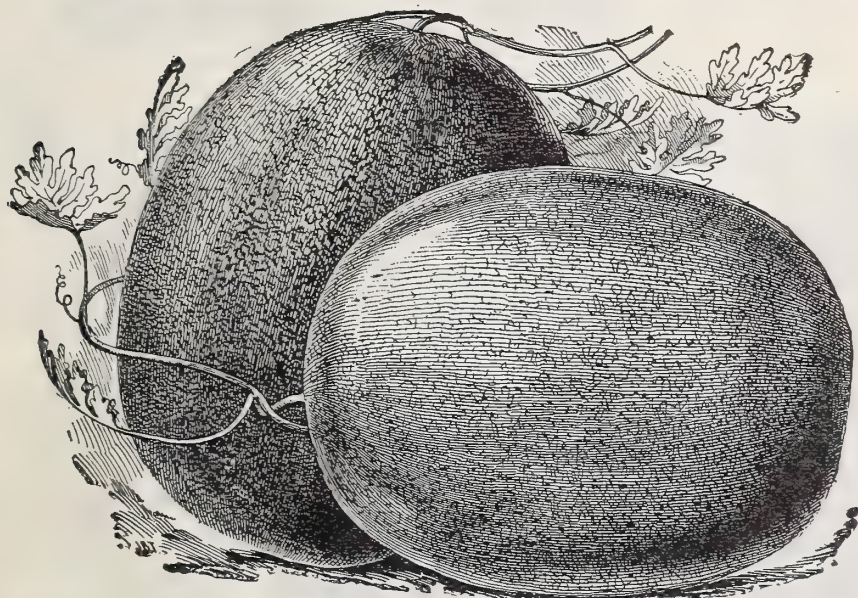
**Vine Peach.** Very similar to Garden Lemon, and used for preserving. Pkt., 5c. oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.

**Ornamental Pomegranate.** A very interesting and handsome fruited vegetable. Fruit similar to Vine Peach in size, color mottled and having a rich perfume. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 30c.; lb., \$1.00.



ORNAMENTAL POMEGRANATE.

## WATER MELON.



SWEETHEART WATER MELON.

medium in size, almost round; the skin a pale green, slightly mottled.

**Mountain Sweet.** A large, oval variety; rind green; flesh scarlet and quite solid to the center; very sweet and delicious.

**Pride of Georgia.** Round, large, crisp; bright red flesh.

**Jumbo.** Immense in size. The common weight of this melon is 60 to 80 pounds. In shape it is nearly round; color solid dark green.

**Mammoth Ironclad.** This variety, like the preceding, grows to an immense size. It is a remarkably strong grower, very productive and an excellent keeper. The skin is beautifully striped with light green.

**Cuban Queen.** Fruit medium size to large, globular or oval; skin striped light and dark green in sharp contrast.

**Monte Cristo.** A splendid sort for near markets. Vine vigorous and productive; fruit of medium size; oval; color dark, mottled green in two shades; forming indistinct stripes.

**Triumph.** A new southern variety. The fruit is uniformly large, nearly round, dark green, indistinctly striped with a lighter shade.

**Black Diamond.** A cross between Kolb's Gem and Hoosier King.

**Boss.** Early and very large; a good shipper.

**Kolb's Gem.** Vines of medium size, but remarkably vigorous and healthy. Leaves of medium size, deeply cut with a peculiar frilled edge. Fruit of the largest size, round or slightly oval, marked with irregular mottled stripes of dark and light green. Outer rind or shell exceedingly hard and firm, making it a good sort for shipping long distances. Flesh bright red, solid, a little coarse, but sweet and tender.

**Sweet Heart.** This melon is early, large, handsome, heavy and productive. The shape is oval, and color mottled light to very light green.

**Black Spanish.** Large, roundish, nearly black; dark red flesh; early.

**Florida Favorite.** A very large, long melon, mottled dark green, with stripes of lighter shade.

**McIver's Wonderful Sugar Melon.** Without a single exception this is the sweetest water melon of all. The melons attain a great weight, are of a very handsome appearance, never crack or lose their fine flavor in the wettest season. It is a very productive and hardy variety, and one that will take the lead wherever known.

**Phinney's Early.** Few, if any, of the early sorts of recent introduction surpass this old favorite. It is first to ripen, of good size and productive.

**Vick's Early.** This variety is prized for its earliness. It is oblong in shape, smooth with a very dark skin, rather small in size; flesh bright pink, solid and sweet.

**Seminole.** An exceedingly productive variety, of large size. Fruit oblong in shape; flesh solid, ripening clear up to the rind.

**Gypsy, or Georgia Rattlesnake.** One of the largest varieties, and stands shipment long distances. Fruit cylindrical, square at the ends, smooth, distinctly striped and mottled light and dark green.

**Cole's Early.** Very hardy, a sure cropper, and extremely delicate in texture of flesh, which is of a dark red color, possessing all the desirable features. Medium size, nearly round; rind green, striped with lighter shades.

**Dixie.** A popular market sort. Vine vigorous, large growing and hardy; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade.

**Peerless.** The old but extremely popular home market melon. There is none better, nor a more handsome melon grown. It is

### PRICES OF ALL WATERMELONS ARE

Pkt., 3c.    Oz., 5c.     $\frac{1}{4}$ -lb. 20c.    Lb., 60c., Postpaid.



BLACK DIAMOND WATER MELON.





## MUSTARD.

The leaves make a salad or may be boiled like spinach.

**Chinese or Giant Southern Curled.** The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like spinach. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

**White.** Best for general use. Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**Brown.** Stronger than above. Price, same as white.

## MARTYNIA,

FOR PICKLES.

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. Pkt., 10c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.



OKRA.

## OKRA, OR GUMBO.

The young seed pods of this southern plant are used for the well known and delicious "Gumbo" soups; alone or with chicken.

**White Velvet.** Produces pods larger than any other. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Dwarf.** Grows low but stocky and is very productive. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Tall or Perkins' Mammoth.** The long pods measuring 4 and 5 inches are produced in great quantities. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.



## MUSHROOM SPAWN.

**English Spawn.** It comes in pressed bricks weighing about 20 ounces. Price, per brick, 25c.; 5 for \$1.00 postpaid. By express or freight, 10 lbs., \$1.20; 25 lbs., \$2.50; 100 lbs., \$9.50.

**French Spawn.** Put up in boxes of two pounds each. Price, per box, 75c.; if by mail, \$1.00. The same, loose, per lb., 35c.; by mail, 45c.

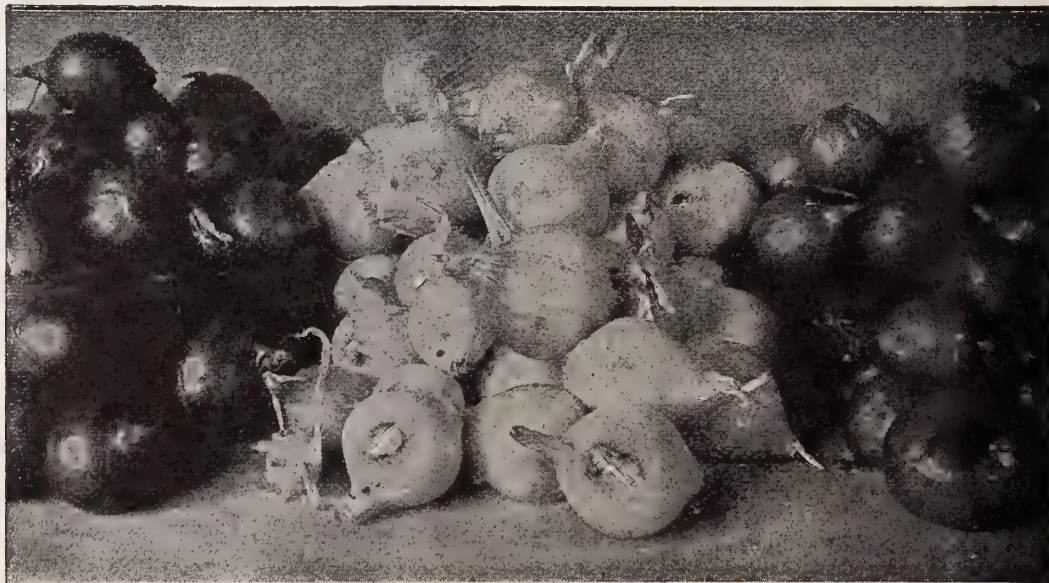
## ONION SETS.

Leonard's Onion Sets are the Chicago Standard. We are the pioneers in set growing here. We claim a superiority for our product which comes from superior knowledge in planting, harvesting, storing and shipping as a result of long continued experience and large operations.

### PRICES POSTPAID.

Red Bottom Sets,  
White Bottom Sets,  
Yellow Bottom Sets,  
Genuine Top Sets,  
Winter Top Sets,  
Potato Onions,  
White Multipliers,  
Shallots,  
Yellow Multipliers.

Any variety. Pts., 15c.; qt., 25c.; 4 qts., 80c.



RED BOTTOM SETS.

WHITE BOTTOM SETS.

YELLOW BOTTOM SETS.



# LEONARD'S GLOBE ONIONS



Our Chicago market gardeners grow the finest Globe Onions to be found anywhere. We meet their requirements in seed with three special stocks of Globe onions, which are described on this page. These stocks have never been excelled, and the care we take in having them right and the exceedingly fine crops that these stocks produce make them of great value to all onion growers.

During the past twenty-two years in addition to the vast quantity we sell we have each year planted and handled the product of thousands of pounds of onion seed. We plant the same kinds of seed that we sell and sell the same kinds that we plant. We are growers of onions, as well as sellers of the seed. We would not sell any seed that we would not be satisfied to plant ourselves. We know what onions should be and we know the value of good seed.

## ✓ LEONARD'S YELLOW GLOBE

**Leonard's Yellow Globe.** The most popular onion seed for a market crop at Chicago is Leonard's Yellow Globe. The soil around Chicago is particularly adapted for onion growing. The size of the town makes a large market. The high price is paid for the best article, consequently seed that produces the best onion is the most popular.

It is the same in any other growing section where a yellow skinned sort is needed. A trial of our Yellow Globe Seed is sufficient to make good our claims for it as superior, uniform and paying stock of onion seed. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50; 10 lbs., \$25.00.

The Onion Seed Specialties here offered are worth many times their cost to any market grower, and the satisfaction they will give to the consumer will increase the profits of the gardener who grows them.



## ✓ LEONARD'S RED GLOBE

**Leonard's Red Globe.** The deep dark red color of our Red Globe is one of its superior points, while in shape and size it is a counterpart of our popular Yellow Globe.

In the Michigan, Indiana and Ohio onion sections as well as in Illinois and Iowa this strain of Red Globe produces the prize-winning red onions.

Where competition is keen it will pay large returns for the additional cost of the seed. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50; 10 lbs., \$25.00.

## ✓ LEONARD'S WHITE GLOBE

**Leonard's White Globe.** White skinned onions when successfully grown are by all means the handsomest and will usually bring more money per bushel than either of the other colors. It is harder to grow them to perfection than red or yellow, but many large growers score big returns from a crop of whites. This strain of White Globe is uniform in size and shape with our Yellow and Red Globe. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.00; 10 lbs., \$29.00.

## LEONARD'S THREE GLOBES

**LEONARD'S THREE GLOBES** bring more money to the onion grower and sell quicker than any other varieties. Our Yellow Globe is the Standard Yellow, our Red Globe is the Standard Red and our White Globe is the Standard White.

Hundreds of carloads of onions grown from these stocks are shipped annually from the principal onion growing centers. Onion growers should plant the kinds that sell quickest and bring the most money.

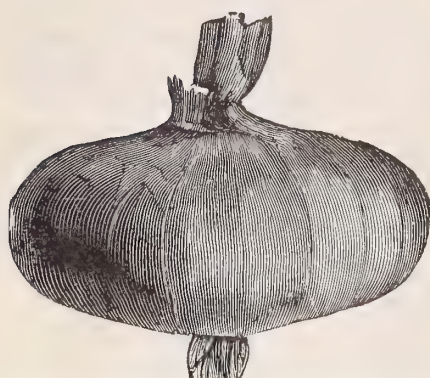




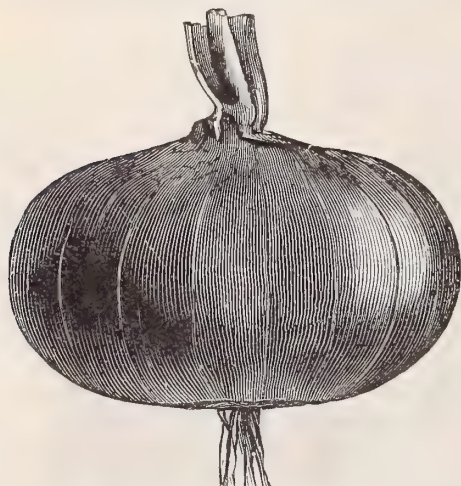
# ONION SEED.

LEONARD'S ONION SEED is endorsed by market gardeners everywhere. Each year adds to its popularity with them. This is the surest indication of merit.

Our Chicago market gardeners grow the finest Globe onions to be found anywhere. We meet their requirements in seed with three special stocks of Globe onions, which are described on page 47.



YELLOW DUTCH OR STRASBURG ONION.



RED WETHERSFIELD ONION.



DANVER'S YELLOW GLOBE ONION.



SOUTHPORT YELLOW GLOBE ONION

✓ **Early Flat Yellow Danvers.** A good variety, but not as round or quite as early as the Yellow Globe Danvers. Very productive.

✓ **Yellow Strasburg, or Dutch.** One of the oldest varieties. Bulbs quite flat, of good size, skin yellow, flesh white, of mild flavor, and keeps well. This is the variety used very extensively for growing yellow onion sets.

✓ **Leonard's Yellow Cracker.** The earliest, handsomest and best flat onion in the list. Besides being early it is one of the best keepers. Large size and fine dark yellow color.

✓ **Yellow Globe Danvers.** This fine onion is of large size. An early and abundant cropper. Bulbs very thick, flat or slightly convex bottoms, full oval top with small neck and rich brownish yellow skin.

✓ **Michigan Yellow Globe.** The bulbs are large and uniformly spherical with very small necks and the largest diameter below the center of the bulbs of a rich orange color. Enormous yielders and splendid keepers.

✓ **Ohio Yellow Globe.** An early Globe onion, small neck and very uniform in size and color.

✓ **Southport Yellow Globe.** A large perfectly shaped Globe onion and an excellent onion for keeping throughout the winter. A very heavy cropper, handsome in appearance and good dark yellow color.

✓ **Leonard's Yellow Globe.** A true globe-shaped variety; the best yellow sort for muck lands; the best market gardener's variety; the handsomest yellow-skinned onion known; a splendid keeper. See cut and prices, page 47.

✓ **Large Red Wethersfield.** We have a very fine and select strain of this sort. Color is deep purplish red, flesh white moderately grained and very firm. Yields an enormous amount per acre, and is one of the best winter keeping onions.

✓ **Extra Early Flat Red.** This variety matures from ten days to two weeks earlier than the Red Wethersfield. The color is a deep rich red, fine grain and close. The onion is solid and heavy and is a fine sort where the seasons are cold and short.

✓ **Leonard's Red Globe.** The best and darkest red onion. Fine shape and large size. See cut and description on page 47.

✓ **Southport Red Globe.** This is a fine keeper. Large size and considered one of the best red onions. Flesh is fine grained, very mild and tender.

✓ **White Portugal.** American Silver Skin. This is the best sort to sow—for onion sets or for pickling. When sown thickly for either it makes a small round hard bulb. When grown for large onions they are very flat in shape and mild and pleasant in flavor.

✓ **Philadelphia Silver Skin.** Very desirable for family use. Flavor mild and pleasant. Skin silvery white. Sets grown from this sort are the best keepers.

✓ **Leonard's White Globe.** Large, beautiful clear silvery white skin. The flesh is firm, finely grained and very mild flavor. See cut and further descriptions, page 47.

✓ **Southport White Globe.** This grows to a very large size and is a perfectly globe-shaped onion. Color is a clear pure white. This variety is used by the Chicago market gardeners entirely for bunching. A fine keeper.

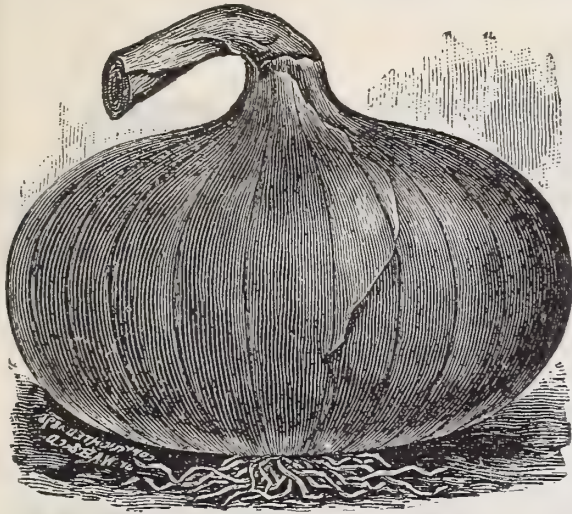
## ONION PRICE LIST.

Prices include free delivery to your post office or express office. If to go with other goods at your express by express or freight deduct 10 cents per lb. from prices quoted.

	Pkt.	Oz.	¼ Lb.	Lb.
Prizetaker.....	\$0.05	\$0.15	\$0.60	\$2.00
Yellow Globe Danvers.....	.05	.15	.60	2.25
Mich. Yellow Globe.....	.05	.15	.75	2.35
Ohio Yellow Globe.....	.05	.20	.75	2.50
Southport Yellow Globe.....	.05	.20	.75	2.50
Southport Red Globe.....	.05	.20	.75	2.50
Large Red Wethersfield.....	.05	.15	.60	1.50
Extra Early Flat Red.....	.05	.15	.60	1.50
Southport White Globe.....	.05	.20	.75	2.75
White Portugal.....	.05	.20	.75	2.00
Philadelphia Silver Skin.....	.05	.15	.60	1.50
Leonard's Yellow Cracker.....	.05	.15	.50	1.75
Australian Brown.....	.05	.15	.40	1.50
Early Flat Yellow Danvers.....	.05	.15	.40	1.50
Yellow Dutch or Strasburg.....	.05	.15	.40	1.50
Spanish King.....	.05	.10	.40	1.50
Silver King.....	.05	.10	.40	1.25
Copper King.....	.05	.10	.40	1.25
Yellow Rocca.....	.05	.15	.40	1.25
Red Rocca.....	.05	.15	.40	1.25
Mammoth Pompeii.....	.05	.15	.40	1.25
Neapolitan Marzajola.....	.05	.15	.40	1.25
Extra Early Pearl.....	.05	.15	.40	1.50
New Queen.....	.05	.15	.40	1.50
White Victoria.....	.05	.15	.40	1.50
White Barletta.....	.05	.15	.40	1.50
Crystal White Wax.....	.05	.15	.60	2.00
Red Bermuda.....	.05	.15	.40	1.50
White Bermuda.....	.05	.15	.40	1.50

This is one of the years when discrimination will have to be used when buying ONION SEED. Onion seed crops did not produce more than half the quantity of seed that they should have done. There is therefore a scarcity of the high grade stocks. As is usual in cases of this kind a great deal of poor stuff is being offered. Poor Onion Seed is dear at any price and onion seed that is offered at low prices this year cannot be anything but poor.





AUSTRALIAN BROWN ONION.

✓ **Spanish King.** One of the handsomest onions grown. Specimens weighing nearly four pounds are often harvested. The large Spanish onions sold at such high prices on the Chicago fruit stands are the same as this variety, only they are imported.

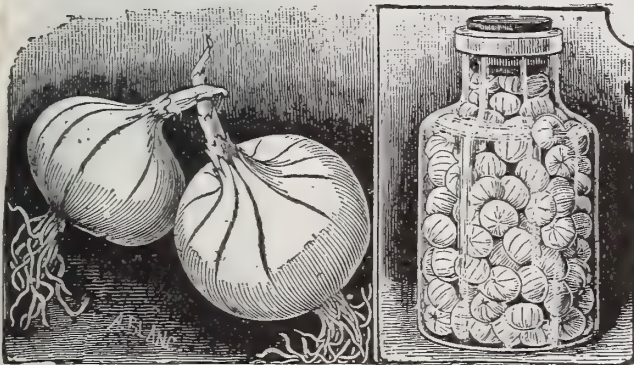
✓ **Silver King.** This is a grand onion. It is a mammoth grower, of beautiful pearly white color, almost transparent in appearance. To match Spanish King at fairs and exhibitions, it is just what is needed.

✓ **Copper King.** This variety is the largest red onion grown. It is fine and mild in taste. With the two varieties above mentioned a combination is formed which wins prizes at all fairs for all colors.

✓ **Giant Yellow Rocca.** Of all the magnificent Italian onions now in cultivation none are more popular than the Giant Rocca. This variety is of the same fine quality and grows equally as large as the Red Rocca, which it resembles in every respect, except that the skin is of a beautiful rich yellow color, making it one of the handsomest onions.

✓ **Giant Red Rocca.** This magnificent variety is of beautiful globe shape, skin red, flesh white, of mild, pleasant flavor. Valuable either for autumn or spring sowing. It will readily produce onions of one and one-half to two pounds in weight the first year from seed.

We are now and for many years  
have been the Leading Onion Set  
Growers.



WHITE BARLETTA.

The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method.

✓ **Bermuda Red.** (Teneriff.) A very early pale red onion, grown extensively in the Bermudas and southern part of the United States for early shipping to northern markets. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild, sweet flavor of the imported ones.

✓ **Bermuda White.** Mild flavored; yellowish in color; otherwise same as red.

✓ **Crystal White Wax.** This variety is popular at the south where the transplanting method of culture is practiced. A large, beautiful, silvery white skinned variety, of handsome flat shape, of very fine flavor and quality.

You are bound to get the best Vegetable Seeds from us. We sell to market gardeners who must have only the best. No other seed house has as many market gardener customers as we have.

Our seeds go everywhere. Ask any market gardener in your section if Leonard's Seeds are not THE BEST.

## ONION SEED.

✓ **Australian Brown Onion.** Is of medium size, wonderfully hard and solid, and most attractive for market, both as to form and appearance. The color of the skin is a clear amber brown. So widely contrasted from any other onion is this color that it will be noticed on the market, and when once bought, purchasers will be likely to return and call again for "Those beautiful brown onions."

✓ **Prizetaker.** Grows to an immense size and for fall marketing is unexcelled. Handsome bulbs of a rich yellow color and fine globe form.



PRIZETAKER ONION.

✓ **Neapolitan Marzajola.** A large, beautiful, silvery white skinned variety, of handsome flat shape, of very fine flavor and quality. Sown in February or March, it will produce a splendid crop early in the season. In May and June this onion has almost a monopoly of the markets in Italian towns. Seed sown in July will mature a crop the same season.

✓ **Extra Early Pearl.** A very fine, Italian variety that grows quickly to a good marketable size. Very popular, particularly in the south. The bulbs are round, flattened with a delicate pure white skin. Flesh very mild and pleasant in flavor. It is claimed to excel most other onions of Italian origin in keeping qualities.

✓ **New White Queen** is a fine early silver skinned variety, of beautiful form and rapid growth, and possessing fine keeping qualities. Seeds sown in early spring will produce onions from one to two inches in diameter in early summer, or if sown in early summer will be fit for use by autumn.

✓ **White Victoria.** A beautiful, large round variety with silver white skin, but sometimes of a delicate light rose color; flesh juicy, sweet, and milky white. A good keeper.

✓ **White Barletta.** When matured, the tops die down, leaving beautiful and perfect little bulbs.



EXTRA EARLY PEARL.



## PEAS.

### GRADUS OR PROSPERITY PEAS.

#### THE EARLIEST LARGE PODDED PEAS.

The most attractive novelty of recent years, large, handsome pods resembling Telephone in size and shape, well filled with large peas, ripening with the earliest is certain to be eagerly sought. Ripening very quickly, the pods must be picked as soon as fit for the table. Habit vigorous, very quick to germinate and push to maturity; foliage large, pale green in color; pods long, straight, slightly rounded at the point. Seed large, wrinkled, cream color. Owing to the extreme wet weather the past season the planting for seed of this variety did not yield well, consequently there is a great scarcity of the seed and prices are high. Pkt., 10c.;  $\frac{1}{2}$  Pt., 20c.; Pt., 35c.; Qt., 55c., postpaid.

### WITHAM WONDER PEA.

Of the same type as the Rivenhall Wonder except that it is as dwarfy as the American Wonder, growing from ten to twelve inches high with very stocky vines which stand erect. A very reliable, extra early dwarf wrinkled pea. The long pointed pods are borne in great profusion and are most attractive, being of a deep rich green color. Pods contain on the average eight to ten large and exceptionally sweet flavored Peas. Unlike many of the Peas with pointed pods, this variety is filled to the very point. Pkt., 10c.;  $\frac{1}{2}$  pt., 20c.; pt., 35c.; qt., 50c., postpaid.

### RIVENHALL WONDER PEA.

A recent introduction in Europe which has met with universal favor. The large size of the pods and the extremely sweet flavor of the peas combined with the remarkable productiveness of this pea make it one that no market gardener should overlook.

The vines are exceedingly vigorous, growing to a height of twenty inches, bearing large pointed pods, being filled with peas of a most delicious flavor to the very point. The brilliant deep green color of peas and pods makes this variety a remarkably quick seller. Prices: Pkt., 10c.; 2 for 15c.;  $\frac{1}{2}$  pt., 20c.; pt., 30c.; qt., 50c., postpaid.



GRADUS OR  
PROSPERITY.

### LEONARD'S EARLY FAVORITE PEAS.

A new early dwarf wrinkled variety of great productiveness and superior quality. In 1903 we recommended this pea by circular to our customers to take the place of American Wonder, Nott's Excelsior, Premium Gem and Little Gem, feeling sure that our opinion of it as the **Best Wrinkled Early Sort** for ordinary garden purposes would be sustained by a fair trial.

We are among the largest growers and jobbers of garden peas in the trade and have every chance of determining the value of the different varieties.

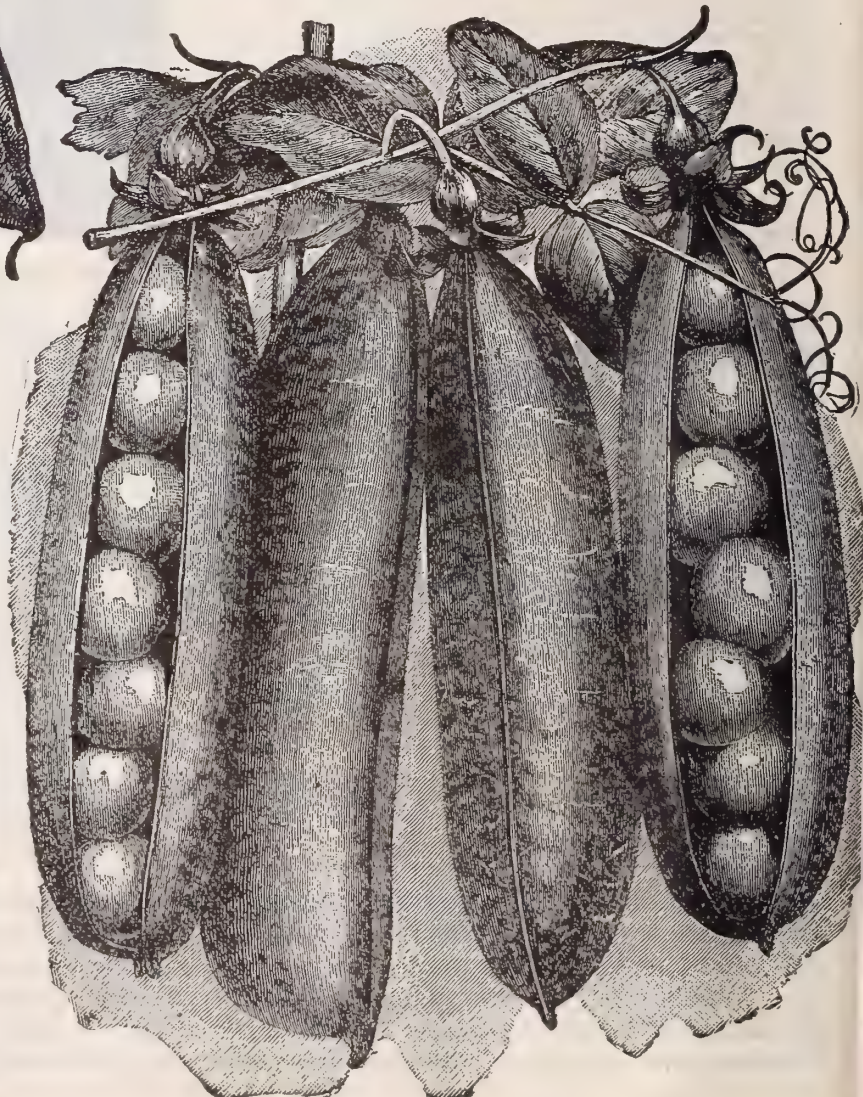
#### LEONARD'S EARLY FAVORITE

is somewhat taller in vine than American Wonder or Nott's Excelsior, consequently, in the average garden it shows up better, making the grower feel that there will be some peas from the patch. It pods better than any of the real dwarf wrinkled sorts and equals any of them in quality.

We know of no early dwarf wrinkled pea that we can recommend so highly; it is our favorite in all particulars as a dwarf early wrinkled pea.

A Trial Will Please You.

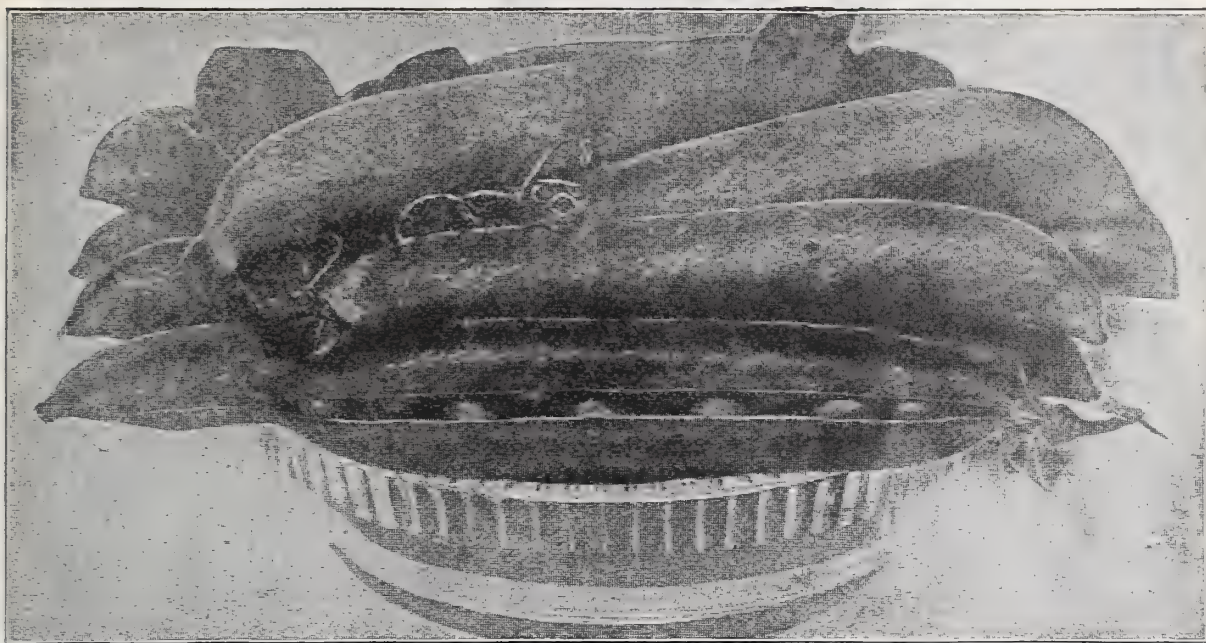
Prices: Pkt., 10c.;  $\frac{1}{2}$  pt., 20c.; pt., 25c.; Qt., 45c.; postpaid. By freight or express: Pk., \$1.75; bu., \$6.00.



LEONARD'S EARLY FAVORITE.



# PEAS.



THOMAS LAXTON.



SURPRISE OR ECLIPSE.

## DWARF TELEPHONE.

**The Best Dwarf Large Podded Pea.** This splendid variety of medium early Peas is excellent for market gardeners. Height, under high culture, eighteen inches. Habit, dwarf, stocky, healthy and vigorous, remarkably uniform in height with almost no tendency to sport, very productive, plants frequently bearing from five to seven pods. Season, medium, from five to seven days earlier than Stratagem. Pods long, frequently five inches in length, broad, straight, rounded or curved at the end, remarkably well filled, often containing ten peas; color, pale green, thick and of good lasting quality for market purposes. Seed of largest size, tender and of delicious flavor when fit for the table, light green and much shriveled and shrunken when dry. Pkt., 10c.;  $\frac{1}{2}$  Pt., 15c.; Pt., 25c.; Qt., 40c. By express or freight, Pk., \$1.75; Bu., \$6.00.

## THOMAS LAXTON.

This is a splendid pea. The pods are nearly as large as those of Gradus, maturing in about the same season, while in productiveness the Thomas Laxton excels all other extra early wrinkled sorts. Vines similar to those of Gradus but darker in color. Pods large, long, with square ends, similar to those of Champion of England but much larger and darker. Although only recently introduced this variety has come rapidly into favor with market gardeners. Our stock has been carefully selected. The most critical growers will be pleased with the results obtained from planting the seed we offer. As a very superior pea we unreservedly recommend the Thomas Laxton. Pkt. 5c; Pt. 30c; Qt. 45c, postpaid.

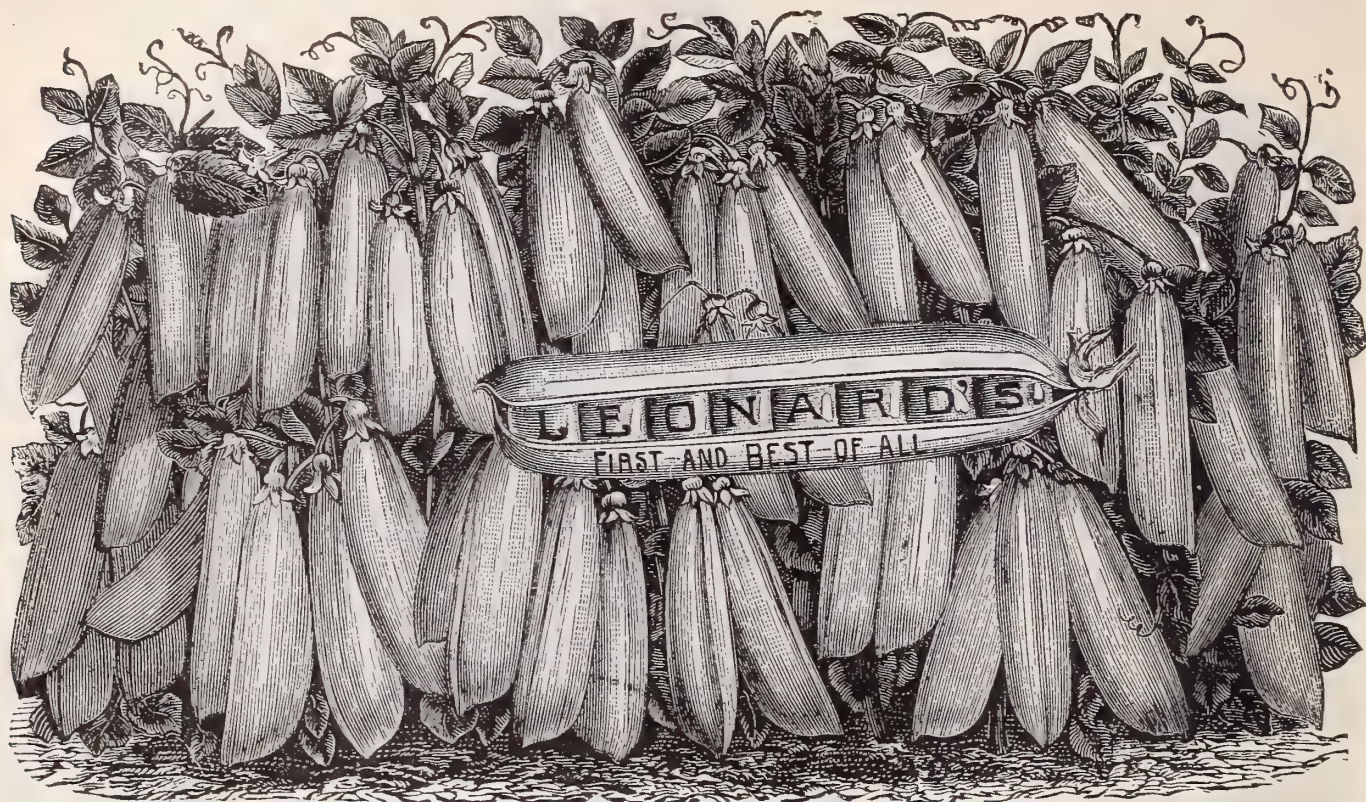
## SURPRISE OR ECLIPSE

This remarkable new sort is a cross of Earliest of All and American Wonder, possessing the quality of the American Wonder and is as early as the earliest of the hard peas. The vines grow 24 inches high and need no bushing, the pods are well filled, containing 6 or 7 peas. The peas are not as large as those of the American Wonder, but Surprise is a far better cropper and ready for market days before it. Pkt., 10c.;  $\frac{1}{2}$  Pt., 15c.; Pt., 25c.; Qt., 40c., postpaid.



DWARF TELEPHONE.





## PEAS.

**Leonard's First and Best of All.** Ahead of all others in earliness and productiveness. It has held the lead for many years on the Chicago market, and is the best first early variety for the market gardener. It is very prolific, and ripens so uniformly that the vines can be cleaned at one picking. The most hardy.

**Maud S.** A very fine extra early sort, hardy, productive and of good flavor.

**Philadelphia Extra Early.** One of the standard extra early sorts.

**Rural New Yorker.** Vigorous and very prolific.

**Alaska.** The best early green seeded variety. The dark green color of the pods makes it an excellent pea for shipping long distances. Very early and uniform grower. A popular sort with canners and shippers. First class in every respect. Height, 2½ ft.

**American Wonder.** Vigorous, productive, with dark, luxuriant foliage. The most desirable early pea for private gardens. Height, 14 inches. Of very fine quality.

**Extra Early Premium Gem.** Extra early in season. The most productive of the dwarf wrinkled varieties, and for that reason is the best for market gardeners.

**Little Gem.** Extra early, hardy and productive. Pods not so well filled as Premium Gem.

**Nott's Excelsior.** Pods fully one-third larger than American Wonder, containing 6 to 8 fine large sweet peas.

**Laxton's Alpha.** An old and highly-prized sort, particularly for the tender and luscious quality of the peas, which for delicacy of flavor are unsurpassed.

**Tom Thumb.** Early and prolific. An excellent dwarf pea.

**Wm. Hurst.** Excellent for home use. It resembles the American Wonder very much, but is more hardy and vigorous. Long curved handsome pods, well filled with peas of fine flavor.

**Bliss Abundance.** Vigorous in growth, producing pods in great abundance, hence the name. Pods well filled with large peas of very fine quality.

**Duke of York.** A pea of the same class as the Telephone, but earlier and more dwarf. The peas are sweet and of fine flavor.

**English Wonder.** About ten days later than the American Wonder and much longer, straighter and broader pods. Peas large and of fine flavor.

**Advancer.** An old favorite with the market gardener. Quality excellent, very productive, and easily picked.

**Melting Sugar.** They are used in the same way as snap or string beans. The best of these edible podded sorts is the Melting Sugar, of which we offer a very fine strain. The pods are large, straight, extremely tender and of very fine flavor. Vines 3 to 4 feet high.

**Dwarf Gray Sugar.** The old variety of the edible-podded sort, and is used in no other way. Grows about 2 feet high and is remarkable for its earliness. Pods are broad, flat and crooked and contain 5 to 6 peas. Seed is brown and wrinkled.

**Tall Gray Sugar.** A little later than the foregoing and somewhat taller; otherwise they are similar.

**Horsford's Market Garden.** A great favorite with the market gardeners. Pods are large, well filled and of a very good color. An abundant yielder.

**Shropshire Hero.** Bearing a great abundance of large, handsome pods makes this a most desirable sort. Pods long, well filled, and peas of fine flavor.

**Heroine.** Vines are strong and vigorous and produce an abundance of fine, large, well filled pods.

**Telephone True Stock.** Gardeners prefer this pea to any other. Our stock this year has been carefully selected. Vines and leaves are large and coarse. Long straight pods filled with large, tender, sweet peas of fine flavor.

**Telegraph.** Strong, hardy vines, and peas very large and sweet.

**Sharp's Queen.** Large, handsome, delicious. Pods long, slightly curved.

**Yorkshire Hero.** Similar to Champion of England but the vines are not so tall.

**Pride of the Market.** A good main crop variety. Peas are large and sweet.

**Stratagem.** Vigorous, habit, luxuriant foliage. A heavy cropper. A general favorite not only in private gardens but also for gardeners. Large, handsome pods well filled. One of the most desirable sorts.

**Admiral Dewey.** The largest podded pea yet introduced. Height, 3½ feet; pods a rich dark green color, frequently six inches long, beautifully shaped. Peas large, tender and of first class flavor.

**Champion of England.** Tall vines which invariably need brush. For home use it is unexcelled.

**Duke of Albany.** Like Telephone but a better variety. Vines are dwarfer and stronger and pods are larger and better filled.

**Everbearing.** Fine for family use. Peas large and sweet.

**French Canner.** This is the small French Pea used for canning. Very prolific. Long, slim pods containing from 7 to 10 peas.

**Improved Sugar Marrow.** Much better than the old White Marrowfat. Pods larger, well filled and of the true marrow flavor.

**Junco.** Pods large and well filled with peas of a rich dark green color.

**Long Island Mammoth.** Very popular with market gardeners who want a large, handsome pod of a deep green color.

**Sutton's A 1.** A splendid market gardener's pea; early and a strong grower. Exceedingly productive and bearing large handsome pods well filled with peas of delicious flavor. Comes highly recommended and will undoubtedly prove of exceptional value. Pkt., 10c.; ½ Pt., 15c.; Pt., 25c.; Qt., 40c., postpaid.

**Sutton's Dwarf Defiance.** A new wrinkled marrow of fine quality. Vines stocky, quite dwarf, pods large and well filled. The exceeding productiveness of this variety for a dwarf sort makes it one of the most valuable of all for home gardens. Pkt., 10c.; ½ Pt., 20c.; Pt., 30c.; Qt., 40c., postpaid.

**Exonian.** An early wrinkled sort of splendid quality. Vines 18 to 24 inches. Seed small, green, wrinkled similar to Alpha. When the merit of this variety becomes known it is sure to be in great demand. Pkt., 10c.; ½ Pt., 20c.; Pt., 30c.; Qt., 50c., postpaid.

**Alderman.** This splendid new pea comes from a European specialist in hybridizing. It is similar in growth to the Telephone, maturing about the same time. The pods are larger than Telephone and have a rich dark green color, often measuring six inches long and containing eight to nine large peas of very superior flavor. Pkt., 10c.; ½ Pt., 15c.; Pt., 25c.; Qt., 40c., postpaid.



TWO WONDERFUL NEW PEAS

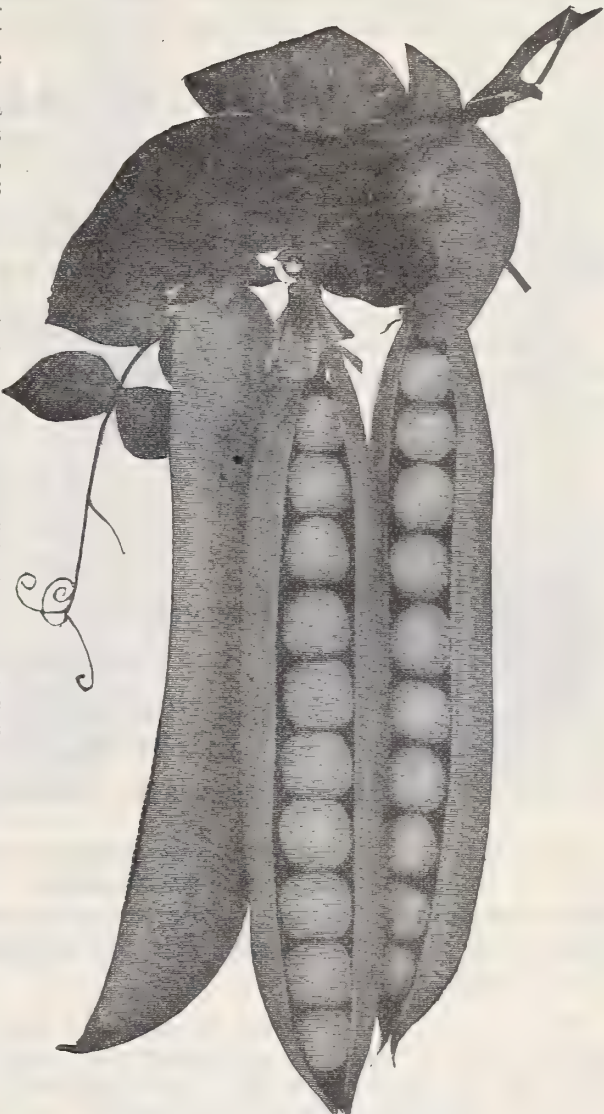
**Leonard's Clatawa.** "Clatawa" is Chenook Indian for get up and get. It describes in a word the main characteristic of this wonderful new Pea. The Clatawa is as early as American Wonder and bears pods like the Telephone, which certainly proves it to be a "get up and get" article. Its stocky vine and dwarf habit puts it ahead of anything thus far brought out in the class of early wrinkled peas. Earliness combined with productiveness large pods grown on a short stocky vine is what makes the Clatawa unique among wrinkled peas. It will be a satisfaction to the market gardener while he picks it, and a source of profit when he sells it.

Pkt., 10c.; 3 for 20c.; ½ pt., 25c.; pt., 35c.; qt., 55c.; postpaid. Pk., \$2.00.

**Leonard's Potlatch or Big Dinner Pea.** "Potlatch," is Chenook Indian for big dinner. The way this pea shells out gives promise of more than enough to go round hence the name, Potlatch. It is a wonder in productiveness. The seed is green, similar to Pride of the Market though somewhat more dented. It matures as early as Premium Gem, and like our Clatawa has pods like the Telephone. Its vines grow from 15 to 18 inches in height, with dark green foliage; the growth of the vine is sturdy and the pods are borne in pairs. No variety known will produce more pods, and no pods could possibly shell out better. The Potlatch is a variety from which any one may expect great things. We consider ourselves very fortunate in having secured it, and we think it well entitled to its Indian name. We can offer it as follows: Pkt., 10c.; 3 for 20c.; ½ pt., 25c.; pt., 35c.; qt., 55c.; 2 qts., \$1.00, postpaid. Pk., \$2.00.



LEONARD'S CLATAWA.



LEONARD'S POTLATCH.

PRICE LITS OF PEAS.

The Packet, Pint any Quart Prices Include Free Delivery to Your Post Office or Express Office. On Pecks and Bushels You Must Pay Freight or Express.

	Pkt.	Pt.	Qt.	Pk.	Bu.
Leonard's First and Best of All.	\$0.10	\$0.20	\$0.35	\$1.00	\$3.50
Maud S.	.10	.20	.35	1.00	3.50
Phila. Extra Early.	.10	.20	.35	1.00	3.50
Rural New Yorker	.10	.20	.35	1.00	3.50
Alaska.	.10	.20	.35	1.25	4.50
Melting Sugar.	.10	.25	.45	2.00	....
Dwarf Gray Sugar.	.10	.25	.45	2.00	....
Heroine.	.10	.20	.40	1.50	6.00
Horsford's Mkt. Garden.	.10	.20	.40	1.50	6.00
Shropshire Hero.	.10	.20	.40	1.50	6.00
Admiral Dewey.	.10	.25	.45	1.75	....
Champion of England.	.10	.20	.40	1.25	5.00
Duke of Albany.	.10	.20	.40	1.25	5.00
Everbearing.	.10	.20	.40	1.25	5.00
French Canner.	.10	.20	.40	1.00	3.00
Imp. Sugar Marrow.	.10	.20	.40	1.00	3.50
Juno.	.10	.20	.40	1.50	5.00
Long Island Mam.	.10	.20	.40	1.50	6.00
Stratagem.	.10	.20	.40	1.75	7.00

	Pkt.	Pt.	Qt.	Pk.	Bu.
Tall Gray Sugar.	\$0.10	\$0.25	\$0.45	\$2.00	....
American Wonder	.10	.25	.45	1.75	\$6.50
Ex. Early Premium Gem.	.10	.20	.40	1.75	6.50
Little Gem.	.10	.20	.40	1.75	6.50
Nott's Excelsior.	.10	.20	.40	1.75	6.50
Laxton's Alpha.	.10	.20	.40	1.75	6.50
Tom Thumb.	.10	.20	.40	1.50	6.00
Wm. Hurst.	.10	.20	.40	1.50	6.00
Advancer.	.10	.20	.40	1.75	6.50
Bliss Abundance.	.10	.20	.40	1.50	6.00
Duke of York.	.10	.20	.40	1.25	5.00
English Wonder.	.10	.25	.45	1.75	6.00
Telephone.	.10	.20	.40	1.50	6.00
Telegraph.	.10	.20	.40	1.50	6.00
Sharp's Queen.	.10	.20	.40	1.75	6.50
Black Eyed Marrowfat.	.10	.20	.35	.75	2.50
Large White Marrowfat	.10	.20	.35	.75	2.50
Yorkshire Hero.	.10	.20	.40	1.25	4.50
Pride of Market.	.10	.20	.40	1.25	5.00



# THE BARKER WEEDER

It operates on the plan of a lawn mower. It is better than a hoe. It is ten times as fast. It is easy to operate. It forms a dust mulch. Buy a Barker Weeder and Mulcher and cut your garden the same as you buy a lawn mower to cut your lawn. Cut your weeds in your garden **once a week**. It cuts the weeds under the ground as well as the weeds out of the ground. It pulverizes the ground fine which holds the moisture to feed the plant.

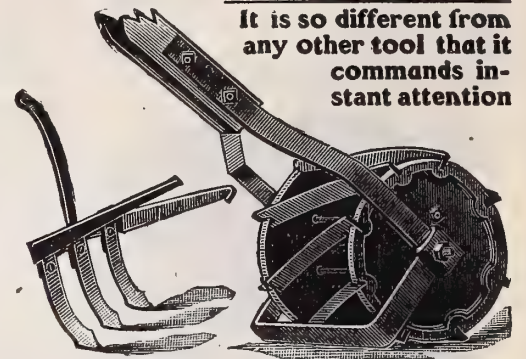
## IT HAS NO RIVALS

It is so different from all others that it is in a class by itself.

You will be interested in it as soon as you see it. When you have seen the kind of work it does you will want it.

It makes no difference how many other hand cultivators you have or have used, you will be convinced after trying it that this one does different work from any of them and that it will pay you to have it.

**The lower knife in connection with the revolving blades kills every weed**



**It is so different from any other tool that it commands instant attention**

To appreciate the value of this tool you must take it to the field, you cannot judge it properly by looking at it. Take it out into the patch, pick out a piece of vegetation that needs weeding. Notice the work it does. Let your man work it. If you are not satisfied with it after giving it a fair trial, you can return it. Hundreds of the best market gardeners and onion growers have taken this tool to try and have kept it and bought more. **It is a money saver.**

*The Onion Set Crop is probably the most expensive one to weed of any grown in this country. With this in mind the following from one of the largest growers of that crop speaks well for the Barker Weeder and Mulcher:*

When I first saw the Barker Weeder and Mulcher I did not think it would do any better work than some others that I already had in use. I was impressed, however, by its peculiar construction and decided to give it a trial. We had thirty-five hand cultivators going on our onion set farm the day I took the Barker tool out. On my way to where the force was working I had a chance to try the tool in several different places and became satisfied that for our work it beat anything we had. In order to test it alongside of the others I called the foreman and bid him take the Barker and accompany some of his best hustlers who were working other tools. It took him a little time to get the hang of the Barker, but as soon as this was accomplished he clearly demonstrated that two rows could be done as easily with it as one could be done by any of the others. I therefore secured a quantity of the Barkers and used them in place of the others with much gain. It was well on toward the end of the weeding season when this change of tools was made and I am fully convinced, that had I secured the Barker tools at the beginning of the season, our expense for weeding would have been cut in half. My recommendation of this tool to other large growers induced them to try it and they found it as satisfactory as I did. It will do excellent work in all market garden crops.

S. F. LEONARD, Chicago.

**Price \$5.00**

**SEE ALSO PAGE 112.**

**For deep cultivation you can adjust the tooth attachment without delay, and when the knife side is wanted again, JUST TURN THE TOOL OVER**



University of Nebraska Agricultural Experiment Station,  
Lincoln, June 29, 1904.

Gentlemen: After having your Weeder and Mulcher in use at the Nebraska Agricultural Experiment Station for some weeks, after having personally tested it, I am convinced that it is the best implement for weeding and cultivating vegetables and other similar plants that I have ever seen. We are using it to the practical exclusion of other implements in our garden and nursery work.

R. A. Emerson, Director.

David City, Neb., September 25, 1905.

I used a Barker Weeder and Mulcher last season in my garden, and if I could not get another, would not take \$25.00 for it.

John Atkinson.

Fairbury, Neb., January 3, 1906.

Dear Sirs: In regard to your Weeder and Mulcher, since we have yours in the nurseries the men will use no other make of wheel hoe, as they can do more work easier with yours.

Very truly yours,

Galbraith Nurseries.



## PARSLEY.

**Double Curled.** The standard sort for outdoor culture, also highly prized by market gardeners for the greenhouse. Pkt., 5c.; oz., 10c.



**CHAMPION MOSS CURLED.**

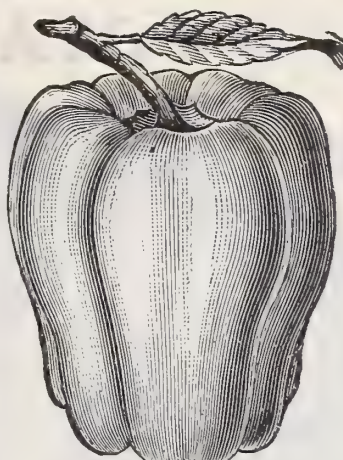
**Champion Moss Curled.** A very fine curled variety. One of the handsomest for garnishing purposes. The exceedingly curled leaves make it desirable. Pkt., 5c.; oz., 10c.

**Fern Leaved.** This sort has a peculiar, fern shaped leaf. It is not so desirable as the more curled sorts. Pkt., 5c.; oz. 10c.

**Hamburg Rooted.** The standard rooted sort. The leaves are used for soup greens, and the roots, when sliced, are much esteemed. Pkt., 5c.; oz., 10c.



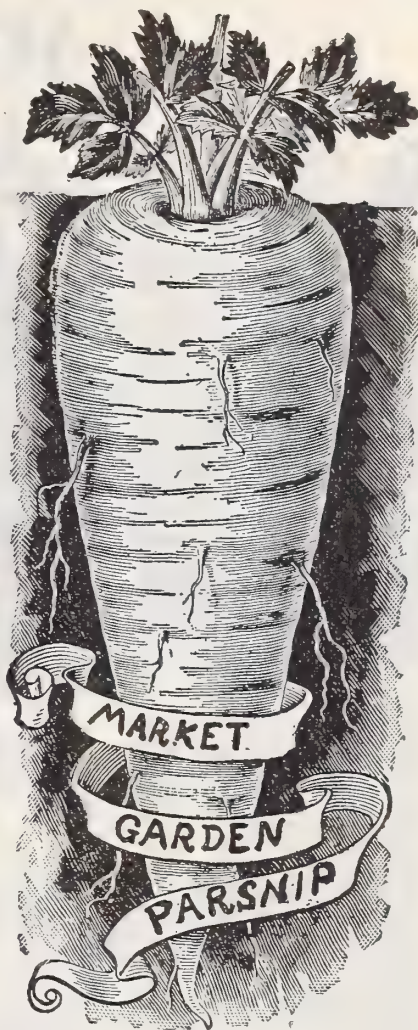
**BELL, OR BULL NOSE**



**GOLDEN DAWN.**



**SWEET MOUNTAIN.**



## PARSNIP.

**Long White Dutch or Sugar.** Roots very long, white, smooth, tender, sugary and of most excellent flavor. Very hardy, and will keep through winter without protection. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Hollow Crown.** Roots comparatively short, with a very smooth, clean skin. The variety is easily distinguished by the leaves arising from a depression on the top or crown of the root. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Guernsey.** The best sort for heavy, black soils. In the vicinity of Chicago, where the soil is exceedingly rich, this is the variety needed, as it makes a fine shaped root which does not grow too long. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

## PEPPERS.

**Sweet Mountain.** Plants very vigorous and productive, growing upright, with moderately large leaves. Fruit very large, long, often eight inches or more in length, by two in diameter.

**Large Bell or Bull Nose.** A very large sort of inverted bell shape, suitable for filling or for a mixed pickle. Flesh thick, hard and less pungent than most other sorts.

**Procopp's Giant.** Very large, usually 8 to 9 inches long and 3 inches thick. Brilliant scarlet color, flesh thick, of pleasant flavor.

**Ruby King.** An improved American sort, reaching the largest size, yet retaining the symmetrical shape of the smaller sorts.

**Large Squash.** Fruit large, flat, tomato shaped, more or less ribbed, skin smooth and glossy.

**Golden Upright.** The fruits are large and of a beautiful rich golden yellow, tinged with blush red. The peppers are mild and as pleasant to the taste as Ruby King.

**Red Cherry.** Plant tall, bearing a profusion of bright red, round fruit which is very pungent when ripe. The plant is very handsome and an ornament to the garden.

**Chinese Giant Pepper.** Without doubt one of the very best and largest Mango Peppers ever introduced. Its mammoth size, splendid shape, beautiful, rich, glossy-red flesh and mild flavor, all lead us to speak of it in words of commendation.

**Golden Dawn.** In shape it resembles the popular Bell or Bull Nose pepper. It is of a most beautiful golden yellow color, making a very handsome appearance, both in growth and upon the table.

**Red Chili.** Used in the manufacture of pepper sauce.

**Long Red Cayenne.** A long, slim, pointed pod, and when ripe, of a bright red color. Extremely strong and pungent.

Prices on all Peppers are: Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c., postpaid.





## SEED POTATOES.

RED RIVER  
STOCK

## IMPORTANT

Potatoes are forwarded by express or freight as directed, and are delivered to the transportation companies safely packed; after that our responsibility ceases. Purchasers must take all risks from freezing or heating. NO CHARGE FOR BARRELS OR CARTAGE TO THE DEPOTS.

## EARLY VARIETIES.

**Extra Early Ohio.** Absolutely the First Early Potato on the market. No other potato is so profitable for early use and is the favorite of all Chicago market gardeners. A short, thick, round, oblong, potato. In color it is a dull red. The flesh is solid, of extra good quality and flavor; very mealy even when only partially grown. Our stock is very pure and select.

**White Ohio.** Similar to Early Ohio, but color of skin white instead of rose color. A very good early potato.

**Early Rose.** This well-known variety is still very popular. Pure seed is hard to get. Ours is as pure as any to be had.

**Crown Jewel.** Extra early of Hebron type. The best variety for family use in the list.

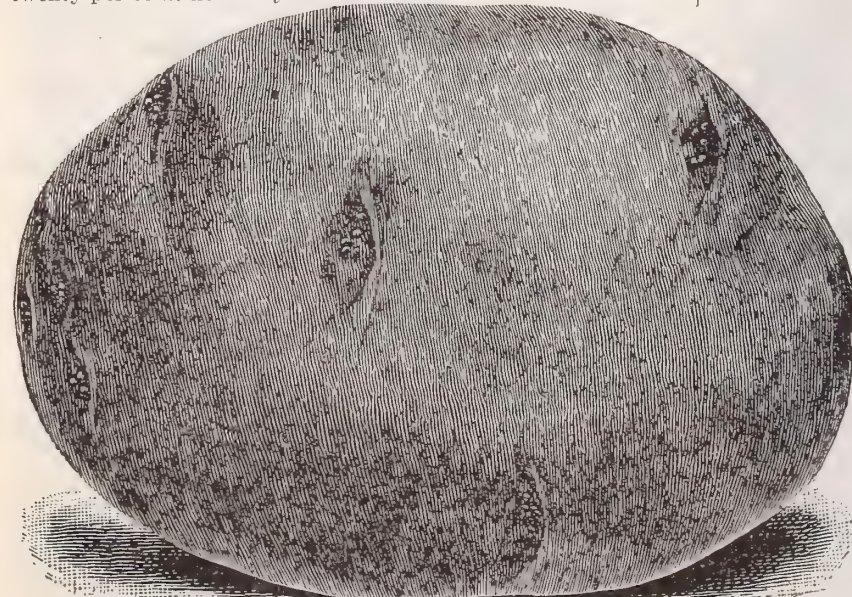
**Acme.** Similar to the Early Ohio, but a few days later.

**Bovee.** Of fine quality, vigorous growth and high productiveness. Smooth and handsome tubers, pink or flesh colored.

**Early Six Weeks.** Claimed by some to be earlier than the old Ohio, and although we see very little difference they are preferred by some of our gardeners.

**Early Thoroughbred.** This variety resembles the Early Rose very much in size, color and shape. The quality is very superior. An enormous producer.

**Extra Early Pingree.** A most desirable variety. The shape is neither too long nor too round, very smooth and regular in form. Eyes shallow and a white skin. Top medium in size, but strong and spreading. Tubers close together in a hill and very numerous. About a week earlier than the Bovee and a twenty per cent. heavier yielder.



RURAL NEW YORKER No. 2. Commonly called "Rural."

## MAIN CROP VARIETIES.

**Carman No. 1.** Intermediate in ripening and resembles the Rural New Yorker No. 2 in shape and also having very few and shallow eyes. The flesh is white and quality perfect. An enormous producer of very large handsome tubers.

**Carman No. 3.** Is one of the best late varieties, also one of the greatest yielders. Large, oblong, slightly flattened.

**Rural New Yorker No. 2.** A valuable variety of large size very smooth and a great cropper. In quality it is unexcelled. It is the best late long keeper and is highly recommended. More potatoes of this sort are shipped annually than any other sort, and their large handsome appearance make them more profitable than any other sort.

## POTATO PRICE LIST.

	Pk.	Bu.	Bbl.	5 Bbls.
Early Six Weeks.	\$0.50	\$1.10	\$2.75	\$13.25
Early Thoroughbred.	.50	1.10	2.75	13.25
Extra Early Pingree.	.50	1.10	2.75	13.25
Extra Early Ohio.	.50	1.10	2.75	13.25
White Ohio.	.50	1.10	2.75	13.25
Early Rose.	.50	1.10	2.75	13.25
Crown Jewel.	.50	1.10	2.75	13.25
Acme.	.50	1.10	2.75	13.25
Bovee.	.50	1.10	2.75	13.25
Carman No. 1.	.50	1.10	2.75	13.25
Carman No. 3.	.50	1.10	2.75	13.25
Rural New Yorker No. 2.	.50	1.10	2.75	13.25

## SWEET POTATOES.

These potatoes are grown for seed purposes and have not been dry-killed. We do not ship until April as they are apt to freeze and rot. Orders should be placed early as prices may advance later in the season. Sweet potatoes should be sent by express. It costs more than freight, but they spoil very quickly. Pecks will not be sent any other way.

**New Vineland Bush.** A new sort originated in New Jersey. Erect, compact and bushy. It does not spin or trail as ordinary kinds. Its distinct growth makes it enormously prolific; a plat containing only 2,000 plants bore 80 bushels of prime tubers. Pk., 75c.; bu., \$2.00; bbl., \$4.00.

**Yellow Nansemond.** Standard variety for main crop. Good keeper and fine flavor. Pk., 60c.; bu., \$1.50; bbl., \$3.25.

**Red Nansemond.** Differs from above only in color. Pk., 60c.; bu., \$1.50; bbl., \$3.25.

**Extra Early Carolina.** Extra early, bright yellow color, large cropper. Recommended for all northern sections. Pk., 60c.; bu., \$1.50; bbl., \$3.25.

**Yellow Jersey.** Pk., 60c.; bu., \$1.50; bbl., \$3.25.

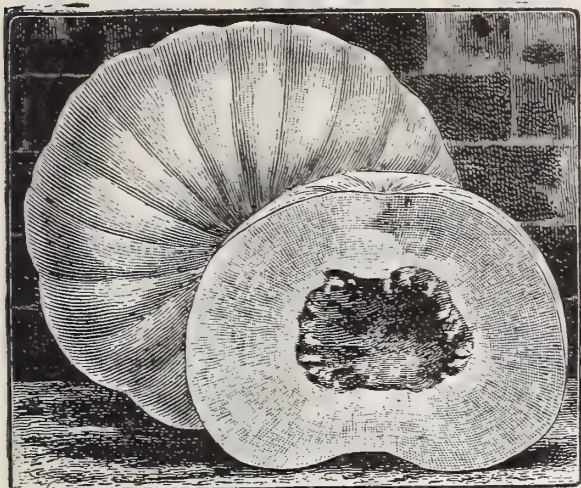
Special quotations on 5 and 10 barrel lots of sweet potatoes.

## SEED POTATOES BY MAIL.

For those who desire to test the merits of any of these varieties of potatoes we furnish whole tubers by mail at 20 cents per lb. or 3 lbs. for 50 cents.



## PUMPKINS.



**CALHOUN PUMPKIN.**

weet, dry and excellent for pies. A good keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Quaker Pie.** It is oval in shape, and tapers toward each end; of a creamy color, both inside and out. Being fine grained and rich flavored, it makes a superior quality of pies. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

**Tennessee Sweet Potato.** There is no variety of pumpkin in cultivation that has given as great satisfaction as this throughout the length and breadth of this country. Our sales of it have nearly doubled those of other sorts, and we have never received a single complaint of its growth or quality. Hardy, productive,

sweet and delicious, and one of the best for cooking purposes ever introduced. Pkt., 5c.; oz., 10c.

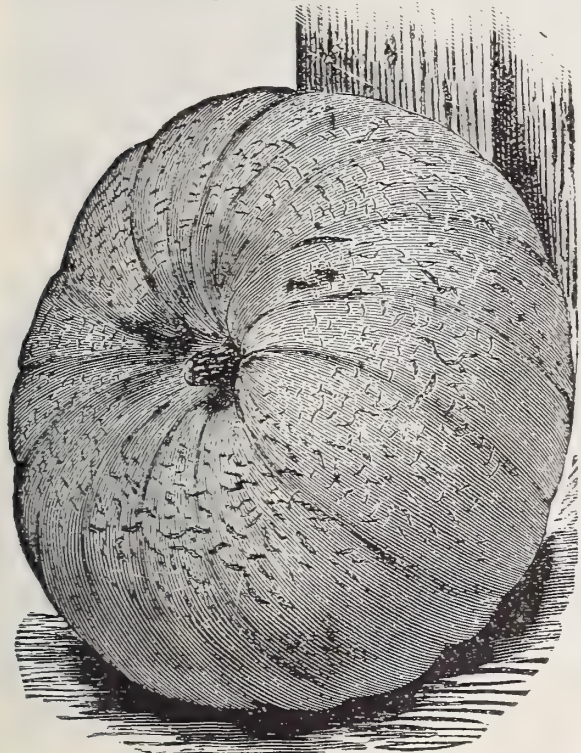
**Calhoun.** It is medium in size, extraordinarily heavy quality. The outside is a cream color, while the flesh, which is very thick and fine grained, is a salmon yellow and of superior quality. It is undoubtedly one of the best for pies. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Connecticut Field.** The common yellow variety, usually grown for feeding stock. Good for canning and for pies. Pkt., 5c.; oz., 10c.; lb., 40c.

**Large Cheese.** A very hardy and productive variety; the best for cooking purposes. Pkt., 5c.; oz., 10c.; lb., 60c.

**Cashaw.** A favorite sort, closely resembling the Crookneck Winter Squash. Pkt., 5c.; oz., 10c.; lb., 60c.

**Large Tours or Mammoth.** This variety grows to an immense size, often weighing over 100 pounds. Pkt., 5c.; oz., 10c.



**MAMMOTH POTIRON.**

**CULTURE.** Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of the Linnaeus, Victoria, Giant, and other improved sorts; but like the seeds of fruit trees, rhubarb seed cannot be relied upon to reproduce the same varieties.

**Rhubarb Seed.** Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Rhubarb Roots.** By express, not prepaid, 20c. each; \$1.50 per doz. By mail, prepaid, 25c. each; \$2.00 per doz.

PRICES ON LARGE LOTS OF RHUBARB ROOTS ON APPLICATION.

## SORREL.

Those who think of sorrel as the starved looking weed of barren lands have little idea of the possible value of the plant. The improved varieties, when well grown and cooked like spinach, make a healthful and very palatable dish. Sow in drills early in spring, and thin the seedlings to six or eight inches apart in the row. One may commence cutting in about two months, and the plants will continue in full bearing from three to four years.

**Large Leaved French.** The best garden variety, having

large, pale green leaves of fine quality. Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

## SCORZONERA.

(Scorzonere. Escorzonera.)

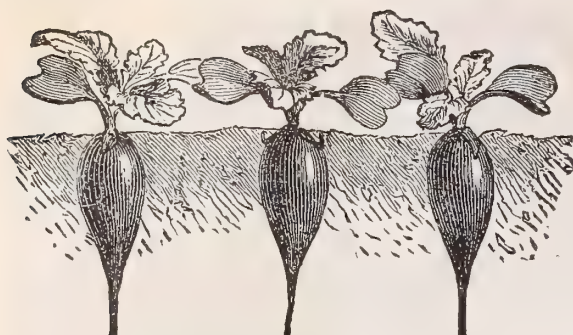
**Culture.** Cultivate the same as salsify. It is cooked in the same manner, but on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify.

**Scorzonera.** Pkt., 5c.; oz., 30c.;  $\frac{1}{4}$  lb., 85c.; lb., \$3.00.





# RADISH.



LEONARD'S THREE LEAF.



OLIVE LEAFLESS FORCING.



EARLY TURNIP.



WHITE TIPPED SCARLET TURNIP.



EARLY SCARLET GLOBE.

✓ **Leonard's Three Leaf Radish.** So named on account of its extreme earliness and the fact that when there are three leaves formed besides the seed leaf it is large enough to eat, and it has grown to table size in fourteen days from time of sowing. It is an improved form of the well known Scarlet Olive. Flesh is very crisp, tender and white, while the skin is a very bright scarlet.

✓ **Early Deep Scarlet, Olive Short Leaf or Leafless Forcing.** This differs from the Early Scarlet Olive Shaped, in being deeper in color, terminating more abruptly at the tip, coming to maturity a little earlier, and in having fewer and shorter leaves, all of which qualities make it very desirable for forcing; an excellent sort. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 65c.

✓ **Non Plus Ultra or Early Deep Scarlet Turnip, Forcing.** This variety has as small a top and is as early as any in cultivation, making it one of the best for forcing, and roots fit for use may be had in three weeks. Root small, globular, very deep red in color; flesh white, crisp and tender. May be planted very closely owing to its small tops. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 65c.

✓ **Triumph Scarlet Striped, Forcing.** The roots are about the size and shape of Scarlet Turnip White Tipped, Forcing, but are creamy white, beautifully marked with spots and dashes of carmine. The tops are small and the roots mature as early as any variety in cultivation. Desirable on account of its distinct beauty, earliness and good quality. Pkt., 5c.; oz., 10c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.

✓ **Early Scarlet Turnip, White Tipped, Forcing.** A beautiful variety, deep scarlet with white tip. As early as Non Plus Ultra, has as small a top, and may be planted as closely. It is more attractive in appearance and cannot fail to give satisfaction as a forcing radish; very popular as a market sort. Sold also as Rosy Gem, Rapid Forcing, etc. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 65c.

✓ **Early Deep Scarlet Turnip.** Similar in form to the Scarlet Turnip Rooted but much darker in color. Flesh white, very crisp and tender; top small. Well adapted for growing in frames. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

✓ **Early White, Turnip.** An early, pure white radish, a little more flattened than Early Scarlet Turnip Rooted and a trifle later in maturing. While generally used for early outdoor planting, its very small top makes it suitable for forcing. Flesh white, semi-transparent, crisp and tender when young. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

✓ **Early Scarlet Turnip, White Tipped.** One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. It is but little later than the White Tipped, Forcing, and will give entire satisfaction where extreme earliness and small top are not the chief considerations. Roots slightly flattened on the under side; color very deep scarlet with a distinct white tip; flesh white and of the best quality. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 55c.

✓ **Early Scarlet, Olive Shaped.** Olive shaped or a little longer, terminating in a small tap root. Skin scarlet; neck small; flesh tinged with rose, tender and excellent. Early and well adapted for forcing or general crop. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

✓ **French Breakfast.** A quick-growing, medium sized radish, rather oblong in shape; color a beautiful scarlet, except near the tip, where it is pure white. A splendid variety for the table on account of its excellent quality and attractive color. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 55c.

✓ **Early Scarlet Globe.** The roots of this variety are slightly olive shaped, a rich, deep scarlet in color; flesh white and tender; fit to pull as early as Non Plus Ultra, but much larger when matured. We specially recommend this to gardeners whose markets demand a large, first early forcing radish. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 65c.]

✓ **Half Long Deep Scarlet.** The roots of this hardy and desirable variety are of a very brilliant, deep, rich red color and half long with a somewhat tapering point; the flesh is very white, crisp and tender, and holds its juiciness well, not becoming pithy till quite overgrown. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 55c.

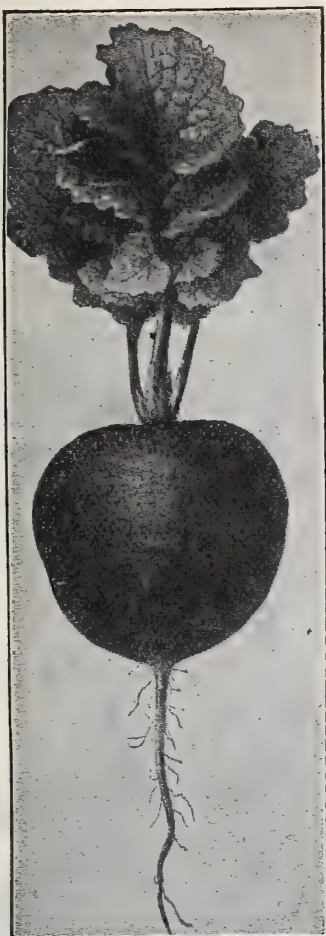
✓ **Long Brightest Scarlet, White Tipped.** This is one of the brightest and handsomest colored scarlet radishes known, and a decided improvement in earliness and color over other varieties of this class. Roots mature in about twenty-five days from time of planting and continue in good condition until full grown, when they are as large in diameter but a little shorter than Early Long Scarlet Short Top. It has a small top and can be used for forcing. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 55c.

✓ **Early Long Scarlet, Short Top, Improved.** This variety is a standard and excellent sort either for private gardens or the market. The roots grow half out of the ground, are very uniform in shape, smooth and very bright red in color, and continue crisp and tender until fully matured when they are about six inches long. This is the variety grown so extensively in Petite Cote, Ontario, where the finest radishes in America are produced. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

✓ **Early Scarlet Turnip.** A small, round, red, turnip-shaped radish with a small top, and of very quick growth. A very early variety, deserving general cultivation on account of its rich color and crisp, tender flesh. Desirable for forcing or early outdoor planting. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

Leonard's Radish Seed is selected with great care and the large quantity that we sell of it to market gardeners everywhere, proves how good it is. Our Radish Seed goes to every large Radish growing center throughout the country.





CRIMSON GIANT RADISH.

## RADISH.

✓ **Crimson Giant Turnip.** A variety extraordinary in that, while growing to an unusually large size, it is always tender, crisp and of mild flavor. It remains in perfect condition a remarkably long time, and unlike other forcing varieties, does not become pithy even when twice their size in diameter. Root turnip shaped; color a beautiful crimson-carmine; flesh firm, crisp and tender. While very desirable as a second early forcing variety, we specially recommend it for outdoor planting.

✓ **Wood's Early Frame.** This is not only a good variety for forcing, being shorter and thicker than the old Long Scarlet Short Top, but is one of the very best sorts for first crop out of doors.

✓ **Cincinnati Market.** Very similar to Early Long Scarlet, Short Top, Improved, but deeper red in color and remains longer in condition for use.

✓ **Long White Vienna, or Lady Finger.** A very excellent variety with long, very smooth, white roots which are crisp and tender. It matures shortly after Wood's Frame, and is one of the most desirable of the white summer sorts.

✓ **Improved Chartier, or Shepherd.** Although this American variety is too large for forcing, it is one of the very best for sowing outdoors. The roots are very early in good condition for the table, and continue hard and crisp until they reach a diameter of about an inch and a quarter, thus affording good roots for a much longer time than any of the preceding varieties. The long, cylindrical roots are scarlet-rose in color, and gradually taper and shade into white at the tip.

✓ **Early Golden Yellow Oval.** A comparatively new sort, very popular in the New York market. It matures very quickly, has a small top and neck, and resists the summer heat better than the scarlet or white kinds. Root oval, very smooth and handsome; bright, light yellow in color, and of fine quality. Our stock is grown from selected roots and is very fine.

## THE MUNICH RADISH.

This is an excellent summer variety, maturing between the Strasburg and Stuttgart. In form it resembles the Strasburg, and gardeners will find it a good sort to follow that variety.

It grows to a large size, is of as good quality as Strasburg and for a radish intermediate between Strasburg and Stuttgart will be found of considerable value. Pkt., 5c.; oz., 10c.;  $\frac{1}{2}$  lb., 25c.; lb., \$1.00.

✓ **Early White Giant Stuttgart.** Root large, often four inches in diameter, top-shaped; skin white; flesh white and crisp, and not becoming pithy until very late, so that those not used as a summer radish can be stored for winter use.



WHITE STRASBURG.

✓ **White Strasburg.** When comparatively small, this variety is in good condition for use, and continues crisp and tender until matured, when the roots are four to five inches long and about two inches in diameter. This is considered one of the best large summer sorts.

✓ **Large White Summer Turnip.** One of the earliest of the summer varieties. Root round, smooth, very white and handsome; flesh crisp, tender and rather pungent in flavor.

✓ **Golden Globe.** This variety is of quick growth, affording crisp and tender radishes even in the hottest climate, and is extensively grown in the south. Root uniformly globe shape, with skin golden yellow in color.

✓ **Yellow Summer Turnip.** Very symmetrical, nearly round, with grayish-white skin, covered with a bright yellow russeting, thus making it very attractive. The flesh is firm, white and rather pungent.

✓ **Gray Summer Turnip.** Turnip shaped, though often irregular in form. The skin of the upper part is mottled with greenish brown, and often marked with transverse, white lines. Flesh mild, of greenish



CHARTIER.



THE MUNICH RADISH.

white color, and moderately solid. Medium early, and a good variety for summer use.

## WINTER RADISHES.

- ✓ **Rose China Winter.**
- ✓ **White China or Celestial.**
- ✓ **California Mammoth.**
- ✓ **Large White Spanish.**
- ✓ **Round Black Spanish.**
- ✓ **Long Black Spanish.**

All at the uniform price of Pkt., 3c.; oz., 5c.;  $\frac{1}{2}$  lb., 15c.; lb., 60c., postpaid.

ALL RADISH PRICES WHERE  
NOT OTHERWISE  
GIVEN ARE:

Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 55c., postpaid.



LONG BLACK SPANISH.





SANDWICH ISLAND SALSIFY.

✓ **Long Standing.** An improved, round seeded strain of excellent merit, having all the good qualities of other sorts and continuing in condition for use much longer. The leaves are smooth and very dark, rich green. Very popular with market gardeners. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.

✓ **Long Standing Prickly.** The plants mature a little later than the round leaved sorts, but furnish a large quantity of very thick and well flavored leaves. Has prickly seed. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.

✓ **Prickly Winter.** A very hardy variety, and will withstand the severest

## SALSIFY.

(VEGETABLE OYSTER.)

The long white tapering root of salsify resembles a small parsnip, and when cooked is a good substitute for oysters, having a very similar flavor.

**Large White.** The common variety; roots medium sized, smooth; flesh white. Pkt., 5c. oz., 10c.; 2 oz., 20c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Mammoth Sandwich Island.** This is in every way superior to the Large White, being larger, stronger growing and less liable to branch. Invaluable to market gardeners. Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

## SPINACH.

Spinach is very hardy, extremely wholesome and palatable, and makes a delicious dish of greens, retaining its bright green color after cooking.

✓ **Victoria.** An excellent sort, which forms a very large, exceedingly thick, dark green leaf, somewhat curled in the center. It becomes fit for use nearly as early as any, remaining so much longer than most kinds, and cannot fail to please, whether grown for the market or in the private garden. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.

✓ **Savoy Leaved.** The earliest variety and one of the best to plant in autumn for early spring use. Plant of upright growth, with narrow, pointed leaves which are curled like those of Savoy cabbage. It grows quickly to a suitable size for use, but soon runs to seed. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.

✓ **Round Summer Broad Leaved.** This variety is generally preferred in the North for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, it stands the winter very well. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 35c.

✓ **Broad Flanders.** One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly bright green, quite thick and slightly crimped in the center. A very desirable sort. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.

✓ **Improved Thick Leaved.** A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality when cooked. Especially recommended for market gardeners. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 40c.



VICTORIA SPINACH.

weather with only a slight protection of leaves or straw. The seed is prickly, leaves triangular, oblong or arrow shaped. It is used for fall sowing, which in this latitude is made about the first of September. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 35c.

## SQUASH.

**Mammoth White Bush.** This variety is of recent introduction, and is a selection made from the Early White Bush; the improvement consists in size of the squashes it produces, which measure from 12 to 15 inches across, in every other respect it is identical with the old variety.

**Early White Bush or Patty-Pan,** is earlier than any other variety, of dwarf habit and very productive; grows in a bush form, and occupies less room on the ground than any other sort, it is the variety that is grown the most extensively for market and for shipping purposes. Summer Squashes should always be used when young and tender, which can be determined by an impression of the nail.

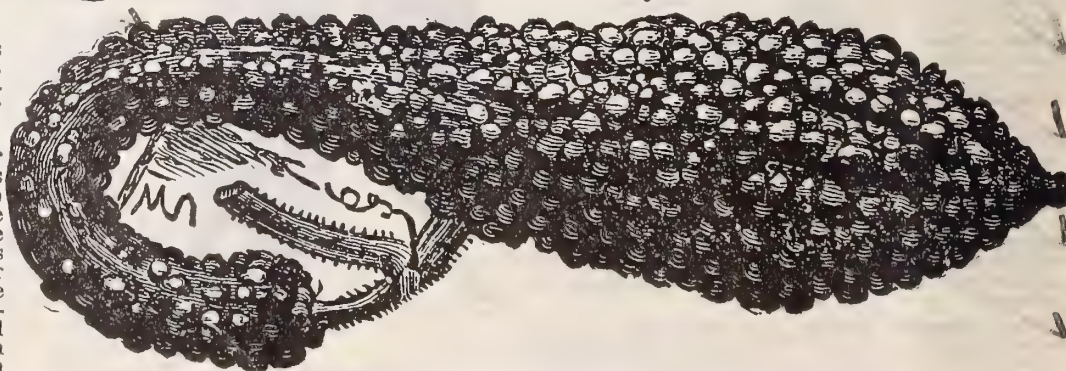
**Early Yellow Bush Scallop or Golden Custard.** A very early, flat, scalloped variety of largest size; color yellow; flesh pale yellow and well flavored. A strain of the old Yellow Bush Scallop which is fully as productive but uniformly larger and flatter than the old stock and has a very small seed cavity.



MAMMOTH WHITE BUSH.

**Giant Crook-Neck.** This strain is a great improvement on the old variety of Crook-neck. It is larger and better in every way.

**Straight-Neck Summer Squash.** Market gardeners who ship early squash to distant markets know the difficulty of packing the crook-necked variety in boxes to good advantage. In our Straight-neck the bad feature of the crook has been overcome, and by continued selection the size has been increased more uniformly in shape, improved quality.



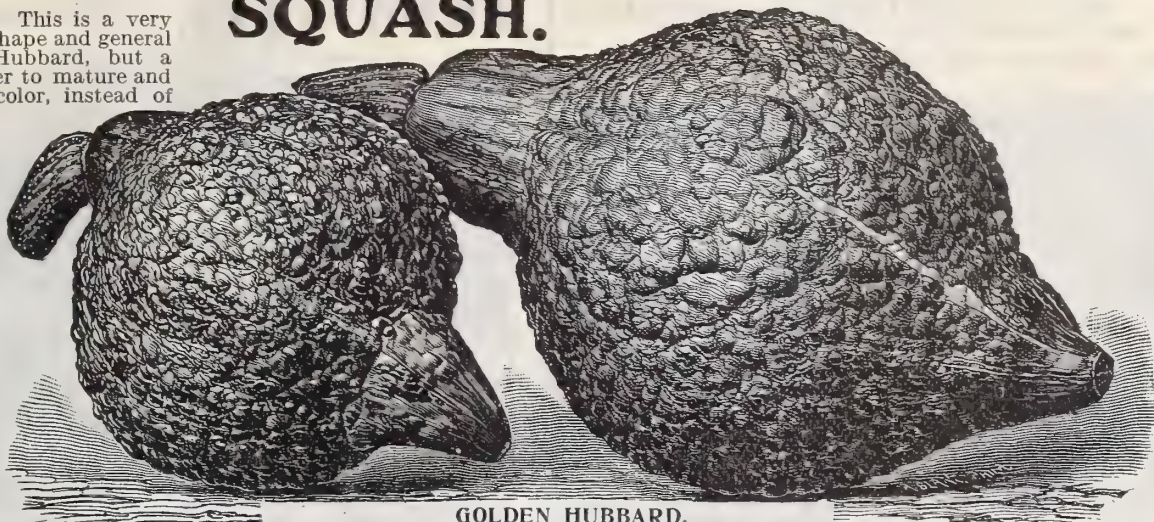
GIANT CROOK-NECK.



# SQUASH.

**Golden Hubbard.** This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller; earlier to mature and of rich orange red color, instead of the dark olive green of the old Hubbard.

**Boston Marrow.** Is the favorite Winter Squash of the Eastern States it is of fine flavor, and a good keeper; the Boston markets are completely stocked with this variety during the Fall and Winter months; a stranger is very liable to be impressed with the idea that the Bostonians live entirely on squashes.



GOLDEN HUBBARD.



ORANGE MARROW

making pies, having a flavor and quality similar to, but much finer than that of the choicest pumpkin.

**Delicious.** This is one of the best Winter varieties. Its color is almost uniformly of a green shade, with occasionally a blue specimen, it being just about as pure in this respect as was the original Hubbard. In size, it also closely follows the original Hubbard, which weighed between 5 and 10 pounds. In thickness of flesh it surpasses nearly every variety, the color being a dark orange. For table use no squash compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, and, like the old Hubbard, it is at any time excellent, although it does not acquire its best quality until winter.

**The Hubbard** cannot be too highly extolled as a Winter Squash; it boils smooth and dry, is of very rich quality, and keeps as solid as a rock. It is more popular with private growers than any other variety.

**Leonard's Warty Hubbard.** This is the best strain of Hubbard Squash. By its rough, hard warty shell and its dark olive green color, it can be distinguished from any other strain either in the field or on the market. It was introduced by us in 1894, and since that time under different names at different places, it has been given out to all who have called for the best stock of Hubbard Squash. We have maintained its purity and offer headquarters' seed.

**Orange Marrow.** This is the earliest of all the Winter varieties. Its distinctive feature and the one which will give it the greatest and most wide-spread popularity, is its earliness; it is at least ten days earlier than any other long-keeping sort. It grows as long as the Hubbard, and is of as good quality. It is in season from September to January, and is the most salable kind during this period in market; this is owing to its smooth and handsome shape, good size and creamy orange skin.

**Hard Shelled Marrow.** The best sort for canning or drying. The fruit is very large, oval, of deep orange-red color and though quite smooth,

## Squash Price List.

	Pkt.	Oz.	Lb.
Giant Straight-neck	\$.05	\$0.10	\$0.60
Golden Custard	.05	.10	.60
Delicata	.05	.15	1.00
Perfect Gem	.05	.15	1.00
Faxon	.05	.15	1.00
Giant Crook-neck	.05	.10	.60
Summer Crook-neck	.05	.10	.60
White Crook-neck	.05	.15	1.00
White Bush	.05	.10	.60
Mammoth White Bush	.05	.10	.60
Golden Hubbard	.05	.15	1.00
Mammoth Chili	.10	.25	1.25
Marblehead	.05	.15	1.00
Fordhook	.05	.15	1.00
Orange Marrow	.05	.10	.75
Essex Hybrid	.05	.15	1.00
Boston Marrow	.05	.10	.75
Sibley	.05	.15	1.00
White Hubbard	.05	.15	1.00
Hubbard	.05	.10	.65
Warty Hubbard	.05	.10	.75
Delicious New	.05	.20	1.50

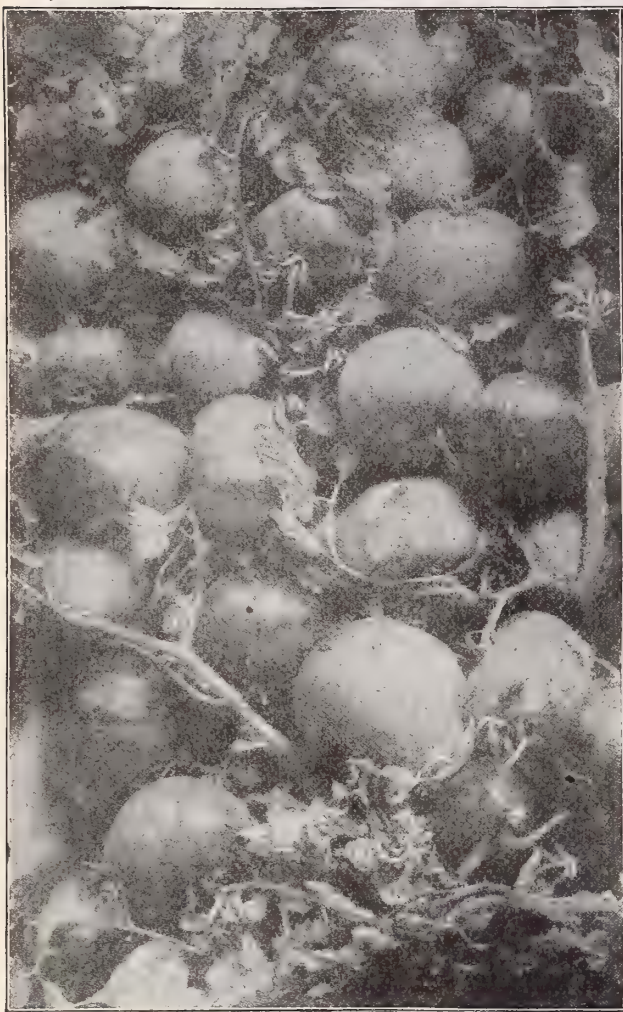


Leonard's Warty Hubbard.



Our Tomato Seed is taken from selected fruits  
and is Superior in every way. :: :: ::

## TOMATO.— The Newer Varieties.



SPARK'S EARLIANA.

**Spark's Earliana.** This Tomato is not only remarkable for its earliness, but for its very large size, handsome shape and bright red color. Its solidity and fine quality are quite equal to the best medium and late sorts. From less than 4,000 hills the originator realized from his first pickings \$725.00, clear of freight and commission, being in the market fully a week before all others.

Spark's Earliana is as near seedless as any Tomato we ever saw, containing less than one-fourth the seed of other varieties, and for this reason the genuine seed can never be sold at a low price. Pkt., 5c.;  $\frac{1}{2}$  oz., 20c.; oz., 35c.; 2 oz., 50c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**New Dwarf Stone.** The introducers of this fine new Tomato state that even they did not fully realize its wonderful qualities until the past season. They say that their fields of it the past year were a revelation to them as regards size of the fruits. Compared to his new variety the Dwarf Champion is not in it for size. Ten fruits selected from one vine at one time weighed 5 pounds 3 ounces. Five fruits selected by eye, for average sized specimens, weighed 2 pounds 9 ounces. This was under field cultivation, on farm land with no fertilizer. It seems, therefore, safe to say that the average size is  $\frac{1}{2}$  pound. Specimens weighing 1 pound each are very common.

The New Dwarf Stone is very early; equal in quality to the regular Stone; quite as many bushels per acre can be produced, and there is scarcely a perceptible difference in size of fruits.

The testimonials for this splendid new Tomato are many; they come from all parts of the country and from Tomato Specialists who are known as authority where the merit of a variety is in question. Pkt., 5c.; oz., 20c.

**The Thorburn Century Tomato.** This fine new Tomato is quite distinct, very large, extremely productive, and as early at Atlantic Prize. The fruits are of a fine dark scarlet color, perfectly smooth, thick, and always full and plump. Pkt., 5c.;  $\frac{1}{2}$  oz., 25c.; oz., 45c.

**Crines June Pink** a fine new variety it is highly recommended to gardeners whose trade demands the purplish pink sorts. It is the earliest of this class of tomatoes and fills the place in them that Earliana does in the bright red sorts. Pkt. 5c.; oz., 40c.



CHALK'S EARLY JEWEL.

**Chalk's Early Jewel.** The largest, smoothest and finest flavored extra early Tomato in cultivation! Within a week to ten days as early as the famous Spark's Earliana, it is even a heavier cropper, with tomatoes of larger size and sweeter flavor, while its more robust growth makes it a surer cropper in the warm southern states. The foliage does not blight when the sun shines hotly after a heavy rain, as is sometimes the case with Earliana. Originated by Mr. James Chalk, of Montgomery County, Pa. Of compact growth, the plants are fairly loaded with fruit—both early and throughout the season. The tomatoes are uniformly of good size—seventy-five will fill a five-eighths bushel basket. Pkt., 5c.; oz., 25c.

**Livingston's New Globe.** The fact that this is another new Tomato, originating with the Livingston's, of world-wide Tomato fame, will be sufficient to warrant most growers of fine Tomatoes to give it a liberal trial. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with flat fruited sorts. Among the very first to ripen, although of large size, very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinged purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short jointed, branching plants in great abundance—literally loaded with fruit. A good general cropper, and one of the very best for greenhouse growing or first early crop on stakes or trellis. An entirely distinct and fixed new sort. Every grower of Livingston's New Globe whether he grows for private or market purposes, will be pleased with the beautiful and attractive globe shaped fruit. Pkt., 5c.; oz., 35c.

**Model Tomato.** A new variety of great merit. The introducers describe it as follows: Foliage is very large, broad, very deep, dark green, and is heavily blistered. The fruit is first-class in size, measuring on an average of 4 inches in diameter to 2 $\frac{1}{2}$  inches high, smooth, very neat, and of best quality. Color, deep, brilliant scarlet. The plants are of bush form (similar to Dwarf Champion), holding the fruit well off the ground. It is the best sort we know for planting on rich, moist land, where the long-vined sorts will often decay. It is one of the first to ripen, which, with its brilliant color, grand size, fine shape, and freedom from an "earthy" taste, makes it valuable to all Tomato growers. Pkt., 5c.;  $\frac{1}{2}$  oz., 25c.; oz., 40c.



# TOMATO.



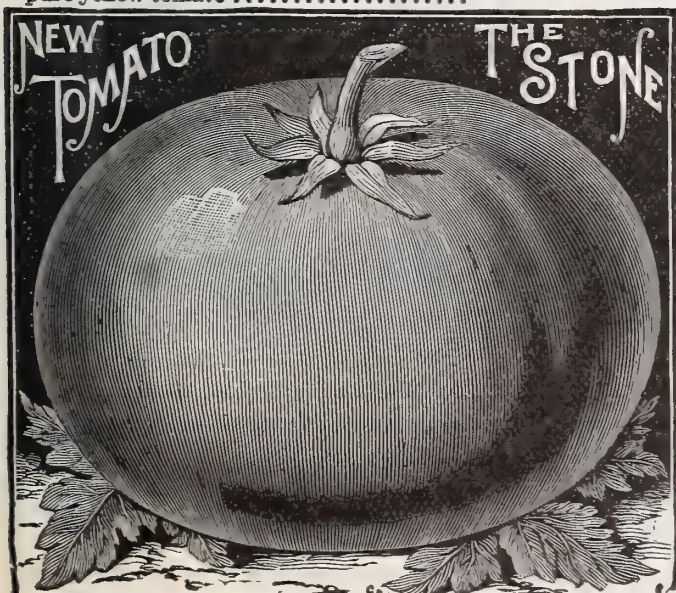
**TRUCKER'S FAVORITE.**

**Atlantic Prize.** Small, irregular, bright red; extremely early.  
**Nolte's Earliest.** Similar but not equal to Sparks' Earliana.  
**Acme.** The well-known popular standard bright pink tomato.  
**Livingston's Beauty.** Large, solid, smooth; purplish pink.  
**Paragon.** The well-known standard bright red tomato.  
**Stone.** Large, smooth, solid, scarlet, highly recommended.  
**Livingston's Perfection.** In our opinion identical with Paragon.  
**Livingston's Favorite.** Bright red, smooth, of good size.  
**Livingston's Magnus.** Large, late, purple; potato-leaf foliage.  
**Turner Hybrid or Mikado.** Large-fruited purple; potato leaf.  
**Imperial.** Large purple-fruited early.  
**Enormous.** Extra large, solid, bright red; rather shy bearer.  
**Honor Bright.** First white, then brilliant scarlet; extremely solid.  
**Dwarf Aristocrat.** Upright growth; bright red fruits.  
**Dwarf Champion.** Deep purplish red; most popular dwarf.  
**Trophy.** Very large, solid, and generally smooth; bright red.  
**Golden Queen.** A first class large smooth pure yellow tomato.

Except Where  
 Otherwise  
 Noted all  
 Tomato Seed  
 Prices Are:  
 Pkt., 5c.;  
 oz., 20c.;  
 $\frac{1}{4}$  lb., 60c.;  
 lb., \$2.00.  
 Postpaid.



**THE BEAUTY.**



**Yellow Cherry.** The small yellow fruits, borne in clusters, average half an inch in diameter. Pkt., 5c.; oz., 25c.

**Red Cherry.** Little fruits of a bright scarlet color. Pkt., 5c.; oz., 25c.

**Strawberry or Husk Tomato.** See illustration at bottom of page, which is full natural size. Plants of low-spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies. They are also excellent to eat raw as fruit. Pkt., 5c.; oz., 25c.

**Red Pear-Shaped.** This is a leading favorite for preserves and also to make "tomato figs." The fruit is bright red, of true pear shape, and of rich distinct flavor. The larger plum-shaped red tomato, often sold under the same name, is not nearly equal to the true variety. Pkt., 5c.; oz., 25c.

Poor Seed invariably  
 causes loss and disap-  
 pointment. The cheap-  
 est is NEVER the best.  
 The BEST is ALWAYS  
 the CHEAPEST. :: ::



**HUSK TOMATO.**



# TOBACCO.



CONNECTICUT SEED LEAF TOBACCO.

**Pennsylvania Seed Leaf.** This is the variety mostly grown for cigars, and is of fine quality and excellent flavor. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Persian Rose.** A fine brand for cigars. Sells well. Pkt., 5c.; oz., 20c.

**Yellow Pryor.** A fine yellow sort, and succeeds well where others fail. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Blue Pryor.** This is the genuine article and a good sort. Pkt., 5c.; oz., 20c.

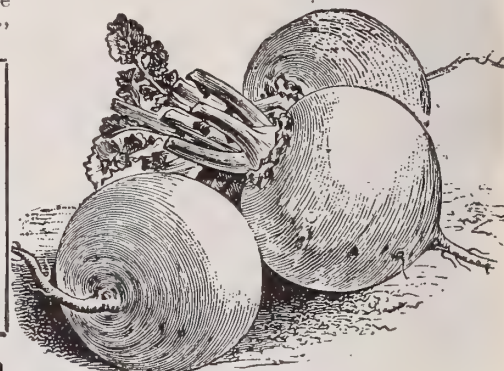
**General Grant.** Very early and a good yielder. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Connecticut Seed Leaf.** The best sort for cigar wrappers. Try it. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Havana.** This is the genuine article and is first class. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Ohio.** White leaved. A large yielder. Pkt., 5c.; oz., 20c.; lb., \$2.00.

We are in a position to furnish good seeds at as low figures as any reliable house. We can and will meet all prices made by any one offering goods of equal value with ours, but we have no ambition to compete with those offering inferior stocks.



EARLY SNOWBALL.

# TURNIP.

Lhr

EARLY SNOWBALL.

✓ **Early Snow ball.** A perfectly globe shaped, white skinned turnip. It is exceedingly productive. The flesh is fine grained, firm and of very delicate flavor. It is one of the best keeping of the white fleshed sorts. Very early and particularly adapted for family or market use. We recommend it to market gardeners because its earliness and fine appearance make it a very profitable variety of turnip.

✓ **Early White Flat Dutch.** An excellent garden variety. The best for spring sowing.

✓ **White Egg.** Belongs to the class of quick growing fall turnips and for this purpose should be sown, in this latitude, between August 10 and 25. Its shape is nearly oval or egg, as its name would indicate.



EXTRA EARLY PURPLE TOP MILAN.

✓ **Extra Early White Milan Turnip.** The Purple Top Milan is one of our most popular turnips for spring sowing, but in this new sort we have a splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple Top Milan is united with clear white skin and flesh. It will undoubtedly find a welcome in our markets, as, in addition to the heavy crop assured by its adaptability for close planting, it will be found to be fit for use at least a week earlier than any other pure white variety in cultivation. Lb., 75c.

✓ **Pomeranian White Globe.** This is one of the most productive kinds, and in good, rich soil roots will frequently grow to twelve pounds in weight. It is of perfect globe shape; skin white and smooth; leaves large and dark green.

✓ **Purple Top White Globe.** An early variety. Globe shaped; heavy cropper. In other respects similar to the Red Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other varieties of early turnips for market garden purposes.

✓ **Extra Early Purple Top Milan.** The earliest in cultivation, two weeks earlier than Purple Top Strap Leaf. The bulb is flat, of medium size, quite smooth with a purple top. Flesh white, hard and of finest quality. It is an extra good keeper. Lb., 75c.

✓ **Large White Norfolk.** The standard variety for field culture for feeding stock. Very large size.

✓ **Cow Horn.** This variety is pure white, except a little shade of green at the top, and is carrot-like in form, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored, of very rapid growth, and has obtained considerable favor as a market sort for fall and early winter use.

✓ **Sweet German.** This variety is very popular in many sections, notably so in the New England states. It partakes largely of the nature of the rutabaga, and should be sown a month earlier than the flat turnips. The flesh is white, hard, firm and sweet; keeps nearly as well as the rutabaga. Highly recommended for winter and spring use.

✓ **Seven Top.** Cultivated extensively in the south for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root, and is only recommended for the tops.

✓ **Purple Top Munich.** The earliest variety after the Red Top Milan. Color white, with purplish white top.

✓ **Purple Top Strap Leaf.** Rapid grower and mild flavor, the most popular variety for early use, either for the table or stock.

✓ **Scarlet Kashmyr.** A most distinct novelty; of such peculiar color that it has a striking resemblance to a large radish. "Unwarned judges would, no doubt, pronounce it one of those radishes so persistently complained of as tasting like turnips!" However, it is a turnip, and of most excellent flavor; of a deep, rich crimson above, shading to a soft crimson rose below.

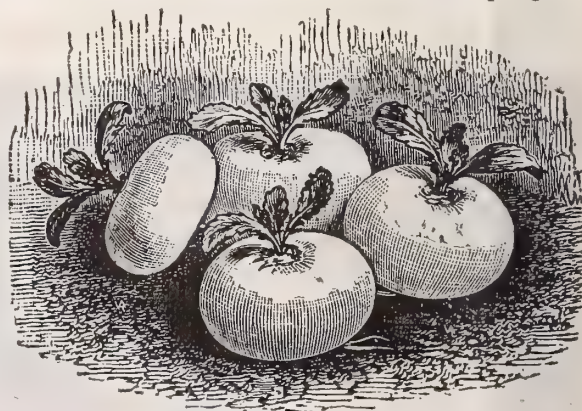
✓ **Yellow Aberdeen.** Very hardy and productive, a good keeper; globe shaped. Color pale yellow, with purple top. Very firm in texture and closely resembling the Rutabagas in good keeping qualities. Good either for table or stock.

✓ **Large Amber Globe.** One of the best varieties for a field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow; top green. Hardy, keeps well, a good cropper. Very popular in the south.

✓ **Yellow Stone.** A very desirable sort. The roots are of medium size, uniformly globular and perfect in shape, smooth skinned and of pale yellow color. The flesh is crisp, tender and of fine quality.

✓ **Yellow Globe.** Very similar to the Yellow Stone and a very attractive sort.

✓ **Orange Jelly or Golden Ball.** Undoubtedly among the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and of most excellent flavor. Keeps well and is superior as a table variety. It is extensively used.



EXTRA EARLY WHITE MILAN.

Prices of all varieties of Turnip on this page, except where noted otherwise, are: Pkt., 3c.; 1/2 oz., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 50c. postpaid.



## TURNIP—RUTABAGA.



**WHITE RUTABAGA.**

have for table use. An excellent keeper and a desirable sort for market gardeners.

✓ **Bangholm.** A very superior variety, both in form and quality, and held in high estimation in many parts of England. Of large size, small neck, few or no side roots, and yields well. Flesh yellow, sweet and solid; skin yellow with purple top.

**White Rutabaga.** This variety is now very extensively cultivated, and preferred in many sections for its white flesh. It is very hardy and productive, keeps well until late in the spring, and is highly esteemed for its sweet, delicate flavor.

✓ **Sweet German.** A superior variety for table or stock. Flesh firm, sweet and juicy.

✓ **Laing's Improved.** One of the earliest of the rutabagas. Forms a handsome bulb of good quality. Keeps well; good for table use.

✓ **Long White French.** A very delicate flavored variety. An excellent keeper and fine for table.

✓ **Skirving's Purple Top.** A very heavy cropper. One of the best for field culture.

✓ **Carter's Imperial Hardy.** An English variety resembling the preceding. Very productive and of fine quality.

✓ **Monarch or Tankard.** This is a yellow fleshed sort, having very large tankard shaped roots, with relatively small necks and tops. Color purplish crimson above ground, yellow below; flesh very solid, fine grained and of the best flavor. This very popular variety is also sold as Hurst's Monarch and Carter's Elephant.

✓ **Drummond's.** An improved strain of purple top Swede, excelling in uniformity of shape, color and quality. Considered by many an excellent table sort.

✓ **Improved American.** The best yellow fleshed, purple top variety grown for stock or table.

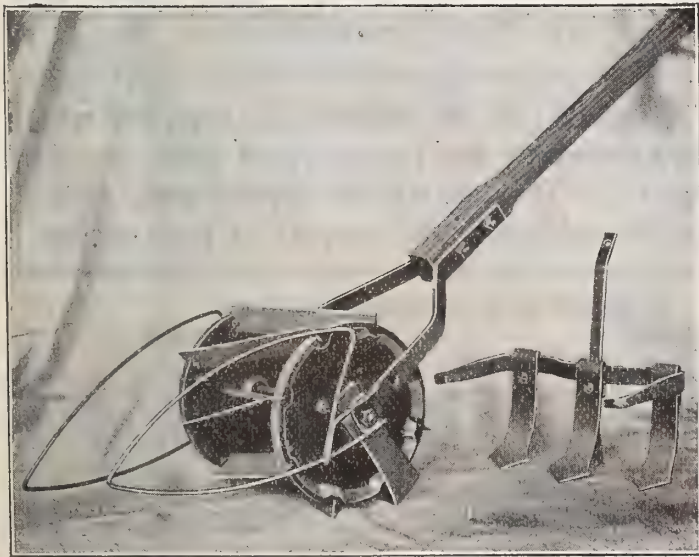
✓ **Budlong's White Rock.** Though sometimes called a turnip this is more like a rutabaga. The root is large, both skin and flesh very white, and it is one of the best varieties we

Our specialty is the Market Garden Trade. Our stocks of Cabbage, Cauliflower, Onion, Celery, Radish, etc., are grown and selected to meet the requirements of this critical class of buyers. Our prices are low, considering the exceptional quality of our goods. :: :: ::



**Prices of all varieties of Rutabagas are: Pkt., 3c.; oz., 5c.; 1=4 lb., 15c.; lb., 50c., postpaid.**

## The Barker Weeder.



**A STEADY PUSH WHEN YOU USE THE BARKER. NO SEE-SAWING BACKWARD AND FORWARD AS WITH OTHER TOOLS.**

It operates on the plan of a lawn mower. It is better than a hoe. It is ten times as fast. It is easy to operate. It forms a dust mulch. Buy a Barker Weeder and Mulcher and cut your garden the same as you buy a lawn mower to cut your lawn. Cut your weeds in your garden once a week. It cuts the weeds under the ground as well as the weeds out of the ground. It pulverizes the ground fine which holds the moisture to feed the plant.

The weeding between rows of a garden crop must be done whenever necessary right up to the time of harvest. The Barker Weeder and Mulcher is fitted with an adjustable pair of wire leaf guards which lift the tops of the vegetable out of the way of the knives and permit the machine to go in between the rows at any stage of the crops growth.

To appreciate the value of this tool you must take it to the field, you cannot judge it properly by looking at it. Take it out into the patch, pick out a piece of vegetation that needs weeding. Notice the work it does. Let your man work it. If you are not satisfied

with it after giving it a fair trial, you can return it. Hundreds of the best market gardeners and onion growers have taken this tool to try and have kept it and bought more. **It is a money saver.**

The Barker is made in 3 sizes. Viz: 6-inch cut, 8½-inch cut, and 11-inch cut. Each machine is fitted up with leaf guards and tooth attachment. The 8½-inch cut is the standard size for onion sets and ordinary market garden crops. The 6-inch is for lettuce and crops that are planted in close rows. The 11-inch for crops that are planted from 14 to 18 inches apart in the rows.

**Either size complete. Price, \$5.00 .**



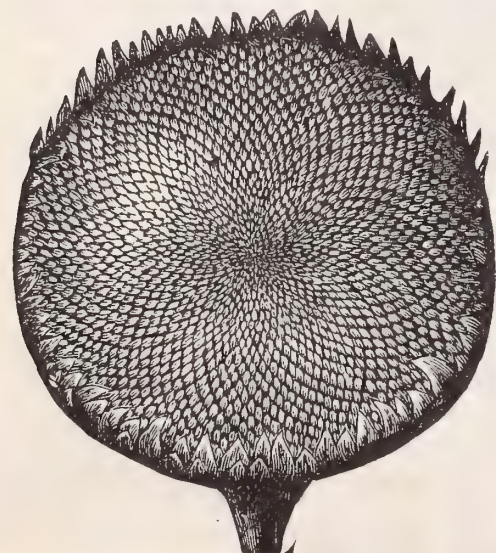
# MISCELLANEOUS SEEDS AND ROOTS.



SPANISH PEANUTS.



AILANTHUS, OR TREE OF HEAVEN.



RUSSIAN SUNFLOWER.

## PEANUTS.

Peanuts can be raised with but little expense, and are an exceedingly productive and paying crop. They are planted in much the same manner as potatoes, and require but little care beyond hilling up the young plants.

**Spanish.** This variety is smaller and sweeter than the common, or Virginia. Plants grow upright and strong, and are easily harvested. Pkt., 10c; pt., 25c.; qt., 50c.

**Virginia.** This is the common peanut grown in the South. Pkt., 10c.; pt., 25c.; qt., 50c., postpaid.

## Jerusalem Artichoke.

This variety is cultivated for its tubers, which are especially valuable for stock feeding on account of their fattening properties; they are well adapted to any soil where corn and potatoes can be grown. They are the best hog food, a preventive of cholera and other hog diseases. Three bushels of tubers are sufficient to seed one acre; cut to one eye, the same as potatoes, planting in April or May in rows 3 feet apart and 2 feet in the rows, and cover about 2 inches deep. Lb., 25c.; 3 lbs. for 65c., postpaid; by freight or express, pk., 35c.; bu., \$1.15; bbl. of 3 bu., (enough for one acre), \$2.50; 2 bbls. for \$4.90, on cars at Chicago.



ARTICHOKE, JERUSALEM.

**Ailanthus.** (Tree of Heaven.) This splendid ornamental tree is a native of China, where it is called the Tree of Heaven, from its great beauty. It is very hardy, and thrives in any soil, no matter how poor, and grows from 6 to 10 feet high from seed the first summer. The leaves, from 5 to 6 feet in length, give it a grand appearance. Nothing outside the tropics can rival it for lawn decoration. Large panicles of bloom, followed in season by great clusters of colored seed pods, make the tree a continual thing of beauty. The cut represents a portion of a tree in bloom, and also a seedling tree four months from sowing. For beautifying lawns and flower beds nothing can be finer, they being even more beautiful than Ricinus or Cannas. Pkt., 5c.

## FRUIT TREE SEEDS.

	Oz.	Lb.		Oz.	Lb.
Pear.....	\$0.15	\$1.50	Apple.....	\$0.10	\$0.35
Plum Stones.....	.10	.50	Cherry Stones, Mahaleb.....	.10	.75
Quince.....	.20	1.75	Peach Stones.....	.....	.25

We would call the attention of everyone who has a garden to our Barker Hand Cultivator on page 112. This tool will save its cost many times over by adding to the product of your garden.

## FOREST TREE AND HEDGE SEEDS.

### EVERGREEN

	Oz.	Lb.
Arbor Vitae, American.....	\$0.20	\$2.00
Fir, Silver.....	.10	.75
Pine, Scotch.....	.20	2.00
Pine, Weymouth or White.....	.20	2.00
Spruce, Norway.....	.15	1.25

For Poultry Supplies See Page 104.

### DECIDUOUS.

	Oz.	Lb.
Ash, White.....	\$0.10	\$0.60
Ash, European.....	.10	.60
Birch, White.....	.10	.75
Larch, European.....	.15	1.50
Linden, European.....	.10	.75
Locust, Honey.....	.10	.50
Locust, Yellow.....	.10	.50
Mulberry, White.....	.20	2.00
Mulberry, Russian.....	.25	2.50

**Russian Sunflower.** This is highly prized by poultry raisers and farmers as a cheap food for fowls. It is immensely productive and can be raised cheaper than corn, as any waste piece of ground will suffice. It is the best egg producing food known. Prepaid, oz., 5c.; 1 lb., 10c.; lb., 20c. Not prepaid: 10 lbs., 75c.; 25 lbs., \$1.50; 100 lbs., \$5.00.

**Beggar-Weed.** (Florida or Giant Beggar-Weed; *Desmodium tortuosum*.) An erect leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in sub-tropical regions. It is highly recommended for improving light, sterile sandy soils by plowing under, and it also makes hay of a fine quality. It should be sown at the rate of 10 pounds of clean seed to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Lb., 45c.; 5 lbs., \$1.75; prepaid. By express, 5 lbs., \$1.35; 10 lbs., \$2.50.



# MISCELLANEOUS GRAINS AND FORAGE PLANTS.



PHOTOGRAPH OF A FIELD OF ESSEX RAPE.  
DWARF ESSEX RAPE.

A forage plant of great merit, easily grown in any part of the United States, on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture, at a season when it is most needed. It is of great value for sheep and lambs, and when turned on it, to use a common expression, "they soon weigh like lead." It is also of value for pasturing cattle. One acre of rape is sufficient to pasture ten to fifteen lambs on for two or two and one-half months. It is often sown broadcast, about five pounds to the acre, but will yield much better if drilled about two pounds to the acre, in rows twenty-two inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July. Can, however, be sown with grain in the spring, and is said not to interfere with the grain crop. Price subject to change. Lb., 20c.; 3 lbs., 50c., postpaid. By express or freight, 10 lbs., 50c.; 100 lbs., \$4.50.

## SUGAR CANE.

**Early Amber.** Its early maturity adapts it almost to every section. It has given entire satisfaction wherever introduced as a profitable crop for fodder as well as for sugar-making. It usually grows 11 to 12 feet high and stands well. If planted the first week in May the seed almost invariably ripens, thus giving a double crop each year, yielding 20 to 30 bushels of seed and 140 to 175 gallons of syrup to the acre. Sow 68 pounds per acre. Pkt. (½ lb.), 10c.; lb., 20c., postpaid; 10 lbs., 60c.; 50 lbs., \$1.00; 100 lbs., \$2.00.

## BROOM CORN.

**Tennessee Evergreen.** More largely grown in the western states than any other. The brush is noted for its fine quality, good length and handsome appearance, cut before the seed is ripe, it is a beautiful pea green color. It ripens early and yields heavy crops. Lb., 25c.; 3 lbs., 65c.; by freight, 10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$4.00.

**Missouri Evergreen.** Has coarser brush than the Tennessee and is therefore desirable for making heavy brooms. Lb., 25c.; 3 lbs., 65c.; by freight, 10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$4.00.

**Teosinte.** A valuable fodder plant from Central America, in growth resembling Indian Corn. Well adapted to our Southern states. Oz., 20c.; lb., \$1.25.

**Lathyrus Sylvestris.** (Flat Pea.) A new perennial forage plant, possessing many valuable features. It grows well on very poor, unimproved, sandy soil, can withstand pretty severe frosts, roots so deeply that it is not injured by severe drought, yields superior forage for all farm stock, and has excellent qualities as a fertilizer. Oz., 20c.; lb., \$1.40.

## SEED BUCKWHEAT.

**Japanese.** The kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also most distinct, being a rich, dark shade of brown. The straw is heavier, very branchy, and does not need to be sown as thickly as other kinds. The quality is excellent and the yield is enormous. It is about a week earlier in ripening than the Silver Hull. 100 lbs., \$1.75.

**Silver Hull.** This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. 100 lbs., \$1.75.

**Common.** Buckwheat should be sown about the 20th of June, broadcast, at the rate of from 1 to 3 pecks per acre. The average yield is from 25 to 30 bushels per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. 100 lbs., \$1.75.

The prices vary on all Grass and Clover Seed and on Farm Grains. We sell at the market price on day of shipment and send accordingly. If the market price is lower than our printed price the buyer gets the benefit.

## LUPINS.

**Blue.** Used for the same purpose as the yellow variety. Lb., 30c.; 100 lbs., \$8.00.

**White.** One of the best plants known for soiling. It may be sown from April to July, and plowed under when in flower. The seed when burned is excellent manure for orange and olive trees. Lb., 30c.; 100 lbs., \$9.00.

**Yellow.** Less thrifty than the white variety, but still having an advantage over it in remaining green for a longer period. It succeeds well in the poorest soil, and is valuable for plowing in. Lb., 30c.; 100 lbs., \$8.00.

**Egyptian Lentils.** Largely used in oriental countries, and is one of their principal articles of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. They are in growth similar to peas, and may be used in any way that you would use shell beans, and they also make an excellent soup. Sow and cultivate same as garden peas, and thresh out in the fall. All should try them. Pkt., 5c.; Oz., 10c.; ¼ lb., 15c.; lb., 30c. By express, 5 lbs. or more at 15c. per pound.





## MISCELLANEOUS GRAINS AND FORAGE PLANTS—Continued.

## DHOURA CORN.

Brown. Lb., 20c.; 100 lbs., \$8.00.

**Yellow Branching.** (Yellow Millo Maize.) It is non-saccharine. Useful only for the large amount of foliage, green feed or cured fodder that it furnishes, and for its grain. Lb., 20c.; 100 lbs., \$5.00.

**White Branching.** (White Millo Maize.) The merit of this non-saccharine sorghum is that when cut for feeding, it starts again from the remaining stumps with renewed strength and vigor. Thrives in the hottest and driest localities. Lb., 20c.; 100 lbs., \$5.00.

**Jerusalem Corn.** One of the best and surest for dry countries and seasons. Grows about three feet high, with one large head on main stalk and several smaller heads on side shoots. The grains are white and nearly flat. Lb., 20c.; 100 lbs., \$3.00.

## KAFFIR CORN.

**Kaffir Corn.** One of the best forage plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature (in climates similar to Central Kansas) a full crop of grain and a second full crop of forage before the middle of October. Sow in rows 3 feet apart, 3 to 6 pounds of seed to the acre.

White or Red. Pkt., 5c.; 1 lb., 20c.; 3 lbs., 50c., postpaid; 10 lbs., 50c.; 100 lbs., \$2.50, by freight or express.

**GINSENG**—We have a pamphlet giving full directions for growing this, and stating at what time to plant in order to get best results. Price, 10c., postpaid.]



KAFFIR CORN.



YELLOW BRANCHING DHOURA CORN

## VETCHES.

**Spring.** (*Vicia Sativa*.) Sown broadcast at rate of one to one and a half bushels to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Also ground up into flour, after which it is mixed with wheat flour for making bread. A valuable plant. Qt., 35c.; bu., \$4.50.

**Sand, Winter or Hairy.** (*Vicia Villosa*.) This variety thrives on poor, arid, sandy soils. It is sown either in fall or in spring, and generally mixed with rye, which serves as a support to the plants. It grows to a height of from 3 to 4 feet, and can be cut twice for fodder, first as soon as the bloom appears, and then it can be again cut for the seed. The plant is perfectly hardy, and the produce is recommended as most nutritious. The seed is black and perfectly round, and should be sown at the rate of 1½ bushels to the acre. Qt., 45c.; bu., \$7.50.

**Velvet Bean.** (*Dolichos Multiflorus*.) This new bean is becoming very popular in the South and middle North. It is very prolific, vines running over 12 feet long; both vines and pods are eaten by all kinds of stock. An excellent fertilizing plant for plowing under. At the Experiment Stations it has given wonderful results as a fertilizer. Should be planted in rows about 4 feet apart and 1 foot apart in the row, putting 2 or 3 beans in each place. The culture is the same as for Cow Peas. Pkt., 10c.; lb., 25c., postpaid. By freight or express, pk. \$1.00; bu., \$3.50.

**Soja Bean, or Coffee Berry.** This valuable forage plant is one of the most nutritious of all vegetable products. It will produce a crop of 20 to 30 bushels per acre, and is as easily grown as other beans. For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. When roasted and coarsely ground the beans taste so nearly like Brazilian coffee the difference is scarcely perceptible. It is certainly the best of all substitutes for coffee yet found. Sow one-half bushel per acre broadcast, or one gallon per acre in drills 3½ feet apart and 1½ feet between the plants, dropping two or three in a hill. Price, large pkt., 10c.; ½ lb., 30c.; lb. 35c. postpaid. By express or freight, per pk., 90c.; per bu., \$3.00, bags included.

**Winter or Sand Vetch.**



SOJA BEANS, OR COFFEE BERRY



WINTER OR SAND VETCH.



## MISCELLANEOUS GRAINS AND FORAGE PLANTS—Continued.



## CANADA FIELD PEAS.

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at a cost of millions of dollars."—(Year-book of the U. S. Department of Agriculture.)

For the Northern States there is no crop of greater value than Field Peas and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the Peas sown alone at the rate of three bushels per acre for plowing under, there is no crop that we can so strongly recommend for more extended culture.

**Golden Vine.** The best variety of all, as they yield the largest crop, are not affected by weevil, and stock does as well on them as when fed on clover hay. If you have heretofore used only the common field peas, you will be greatly pleased with the Golden Vine. Give it a trial. Pk. 60c.; bu., \$1 50

**White Canada** More used than any other. Pk., 50c.; bu., \$1.40; 2 bu. or more, \$1 35.

**Blue or Green** Like above except that color is a bluish green. Pk., 50c.; bu., \$1.25; 2 bu. or more at \$1.20.



## COW PEAS.

**Note**—Cow Peas are held in very high esteem for forage purposes, especially on sandy soils. It has been said that the Cow Pea has almost as much agricultural importance in the South as red clover in the North or alfalfa in the far west. Great changes are now in progress, however, in farming methods and there is today a wide spread disposition to plant Cow Peas farther north than formerly, on account of their quick growing habit, their drought resisting ability and their great value for silage and soil improvement purposes. They will thrive wherever conditions favor corn. The yield of green fodder per acre often reaches five tons, and is sometimes as much as eight or nine tons. Some growers turn the mature vines under with the plow. Some harvest the hay and plow down the stubble. Others ripen and pick the seed, and then plow the vines under. Some Cow Peas are trailers, with very long vines; others assume the bush form. Sow seed at the rate of 1 to 1½ bushels per acre. The Cow Pea is a nitrogen gatherer, and hence improves the soil.

**Black Eye.** Seed large, round, oblong, creamy white, with a large black eye. Pk., 60c.; bu., \$2.25.

**Whip-Poor-Will.** The seeds are large, speckled brown in color. Pk., 60c.; bu., \$2.25

**Black** Seed all black. Called also "The Poor Man's Pea," on account of its wonderful prolificacy. Pk., 60c.; bu., \$2.00.

**Clay Colored.** Large Seed of a blue clay color. Pk., 60c.; bu., \$2.25

The prices on Cow Peas and Field Peas vary with the market. The prices we quote are those ruling at this date, Jan. 1, 1907.

WILD RICE.—(*Zizania Aquatica*.)

The only one of our native plants furnishing food for wild fowl, ducks, geese, etc. which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds and along small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge to the small fry from the large fish. It makes a good hay, and at the south two crops can be cut, and all cattle are fond of it. Sow in water having a mud bottom. Lb., 30c. postpaid; bu. of 20 lbs., \$3.50. Write for price on large quantities.

## BROMUS INERMIS, OR AWNLESS BROME GRASS.

The greatest of all grasses, succeeds and produces immense crops of high nutritive value on the sterile and arid plains of our Western States, growing luxuriantly on dry sandy soils, where other grasses would perish. It is perennial, and once sown down will stand for 10 years. It is one of the surest to obtain a catch from, establishing itself very rapidly, so much so that a good hay crop can be had the first season, followed afterwards by an immense amount of succulent pasturage; on and after the first season two crops a year can be had from it, often running over five tons of cured hay per acre. When fully grown the plant stands from 4 to 5 feet in height and stools out freely, it is ready to cut the latter part of June. Lb., 25c.; 3 lbs., 60c., postpaid; by express or freight 10 lbs., \$1.50; 25 lbs., \$3.25; 100 lbs., \$11.50.



## MISCELLANEOUS GRAINS AND FORAGE PLANTS—Continued.

Prices Vary on all Grass and Clover Seeds and on Farm Grains.

### SEED RYE.

**Fall or Winter.** The time for sowing is from the middle of August to the last of September. One plowing is given and the seed sown broadcast at the rate of one and one-half bushel per acre, and dragged in. Harrowing and rolling in the spring are recommended. If cut before fully ripe the grain makes more and better flour; if intended for seed it should be fully ripe. Sow some rye among standing corn, hoeing it in, leaving the ground level as possible after the corn has been removed, rolling the ground. It succeeds best on sandy soil. Bu., \$1.00; 10 bu., \$9.00; larger quantities priced on application.

**Spring.** Although this grain is often planted by farmers especially for the paper makers, who prefer it to any other, its principal value is as a "catch" crop, to sow where winter grain has failed. The straw is shorter and stiffer than that of the winter variety, and is always easier secured, while the grain, although smaller, is of equal value. Bu., \$1.25; 10 bu., \$11.00; larger quantities priced on application.

### MILLET SEED.

Please note that Millet Seed is quoted by the 100 lbs.; bushel price would be one-half the 100 lbs. price.

**Siberian.** A new and wonderfully productive forage plant from Russia, which has given excellent results in the United States. Lb., 25c.; 3 lbs., 60c. postpaid. By Express or Freight, 100 lbs., \$1.75. Write for prices on larger lots.

**Pearl.** (*Penicillaria Spicata*.) A valuable fodder plant for the South; is enormously productive. Sow in drills eighteen inches apart, and 8 to 10 pounds to the acre. Lb., 25c.; 3 lbs., 60c. postpaid. By Express or Freight, 10 lbs., \$1.50; 100 lbs., \$8.50.

**Hog.** Known also as Broom Corn Millet. Quite unlike the German and common millet in habit of growth as well as the appearance of the seed, which is much larger. The name, Hog Millet, has been employed to emphasize the use to which it is now being put as an economical and valuable food for hogs, while it is also one of the best varieties for use for birds and all like commercial purposes for which millet is sown. It is a valuable help to the profitable raising of swine, even in the best corn belts, and of much greater value in all northern localities where corn is not so important a crop. Lb., 25c.; 3 lbs., 60c. postpaid. By Express or Freight, 100 lbs., \$1.75. Write for prices on larger lots.

**Japanese Barnyard.** (*Panicum Crus Galli*.) This wonderful and valuable new forage plant was introduced into this country by Prof. Brooks, of the Massachusetts agricultural experiment station. It has proven an enormous yielder in all sections of the United States. Lb., 25c.; 3 lbs., 60c., postpaid. By Express or Freight, 100 lbs., \$3.00.

**Common.** (*Panicum Miliaceum*.) Requires a dry, light, rich soil, and grows two and one-half to four feet high, with fine bulk of stock and leaves, and is excellent for forage. Sow broadcast from May 1 to June 20, if for seed, or until the last of July, if for hay. Per 100 lbs., \$1.75.

**German or Golden.** This variety is not so early as the Common millet, but yields a much larger crop. Southern grown seed is much preferred as it will produce more hay. Northern grown seed is usually hybridized with other millets, and will not grow as tall. We can furnish southern grown seed. Per 100 lbs., \$2.00.

**Hungarian Grass.** (*Panicum Germanicum*.) A valuable forage plant. Succeeds well on dry, light soil. Withstands the drought remarkably, remaining green when all other vegetation is parched up, and if its development is arrested by dry weather, the least rain will restore it to vigor. 100 lbs., \$1.75.

### PENCILLARIA.

A wonderful forage plant of great value to all stock farmers. It is unexcelled, if equalled, for its quick growth, immense size and splendid quality. The seed is small, about the one-eighth size of a grain of wheat; it should be planted about the first of May, and will grow and stool or tiller out surprisingly fast. Its growth is truly luxuriant, the broad foliage resembling corn leaves, and if allowed to develop will attain a height of twelve to fourteen feet, and bears cylindrical heads from twelve to twenty inches long, closely set with thousands of tiny seeds, which are greatly relished by poultry. A crop of this when nearing maturity looks like a field of giant timothy twelve to fifteen feet high. Pkt., 5c.; 1 lb., 10c.; 1 lb., 40c., postpaid. By Express or Freight, 5 lbs., \$1.00; 10 lbs., \$2.00; 100 lbs., \$15.00.

### FLAX.

**Russian.** We have some very choice seeds of this, much superior in every way to common flax. It will increase the yield and add to the value of the product. Most of the flax of the country is badly run out. It will pay you well to secure some new seed. Lb., 25c.; pk., 75c.; bu., \$1.75.

### AUSTRALIAN SALT BUSH.

A forage plant for alkali soils, and for regions subject to periodic drought. This is a most wonderful forage plant, as it will grow freely in arid and alkali lands that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. It is of creeping habit. From twenty to thirty tons of green fodder have been harvested from one acre. It has further been proved that after three or four crops have been grown on alkali land the soil is then capable of producing any other vegetation. In many sections of the States this is in itself of priceless value. The plant has been very extensively tried at the California experimental station, where single plants, grown on the poorest alkali ground, have reached a diameter of sixteen feet in one season. One pound of seed will plant an acre. It grows readily from seed, and requires no cultivation. Pkt., 10c.; oz., 20c.; 1 lb., 65c.; lb., \$1.75; 10 lbs., \$15.00.

### GIANT SPURRY.

An annual plant extensively cultivated in Europe as a winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil, and valuable for forage. Sow 12 lbs. per acre. Price, per lb., 25c.; 3 lbs., 65c., postpaid. Express, 5 lbs., 70c.; 10 lbs., \$1.30.

### SAINFOIN or ESPARSETTE.

An excellent perennial Fodder Plant, growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast; 12 to 15 lbs. in drills. Lb., 18c.; 10 lbs., \$1.20; 50 lbs., \$5.00.

### JOHNSON GRASS—(*Sorghum Helepense*.)

A popular grass in the Southern States. Valuable for fodder, growing 30 inches or more in height. It is a rapid growing perennial. On rich soil it may be cut three or four times in a season. Sow 20 to 25 lbs. per acre. Lb., 25c.; postpaid; 10 lbs., \$1.50; 25 lbs., \$3.00.





## FARM GRAINS.

The Prices on all Grass Seeds, Millet Seed, Farm Grains and Forage Plants change with the market. The prices here quoted are those ruling January 1, 1907, and may be higher or lower as the season advances. We give all purchasers the benefit if price is lower, and deduct from amount ordered if the price is higher.

### SEED BARLEY.

**Manshury Barley.** A six-rowed barley, well-known and popular. Very productive, hardy, vigorous, and profitable. Lb., 15c.; 3½ lbs., 50c., postpaid; pk., 40c.; bu., \$1.00; 10 bus., \$9.00.

**Beardless Barley.** This barley is much thought of by all who have grown it. It is a very productive variety. Makes excellent feed for swine, and is preferred by brewers for malting purposes. Lb., 15c.; 3½ lbs., 50c., postpaid; pk., 45c.; bu., \$1.25; 10 bus. \$10.00.

**White Hulless Barley.** This variety of Hulless Barley is the best. It is highly prized in the Northwest, where it has been grown for a number of years, and is becoming very popular everywhere. Lb., 15c.; 3½ lbs., 50c., postpaid; pk., 60c.; bu., \$1.75; 10 bus., \$15.00.

**Highland Chief Barley.** This popular two-rowed barley is one of the best of the standard sorts. It is very productive, and the berry is large. Lb., 15c.; 3½ lbs., 50c., postpaid; pk., 40c.; bu., \$1.00; 10 bus., \$10.00.

### SEED WHEAT.

**Velvet Chaff Blue Stem.** This is a very superior milling wheat. It is the most popular in many of the spring wheat growing sections. It makes a good crop where other kinds fail, and is reliable always. Lb., 15c.; 3½ lbs., 50c., postpaid; pk., 50c.; bu., \$1.50; 10 bus., \$14.00.

**Saskatchewan Fife.** This well-known standard variety has been widely grown for many years, and it is still as popular as ever. Pk., 50c.; bu., \$1.50; 10 bus., \$14.00.

**Minnesota No. 169.** This is a new variety, and is an improvement over any known sort of productiveness. It is the result of many experiments in crossing. Lb., 20c.; 3½ lbs., 50c., postpaid. Pk., 50c.; bu., \$1.50; 10 bus., \$14.50.

**Macaroni Wheat.** This is a new variety highly spoken of by the United States Department of Agriculture for the semi-arid districts. The best quality of grain for macaroni, according to experiments, is grown in the dry districts. Pkt., 10c.; lb., 25c., postpaid; pk., 75c.; bu., \$1.50.

### TURKESTAN ALFALFA.

This most valuable new variety was sent out by the Department of Agriculture four years ago in a small way, and it has given such excellent satisfaction that we have now decided to list it. It is more hardy than the ordinary variety, having stood a temperature of 40 degrees below zero when the ground was bare. It will also stand extreme drouth, as it comes from a locality where the summers are dry and hot and the winters extremely cold. We believe that the farmers of this country will find it of special value, making not only a larger top growth but much better root growth. Prices: Pkt., 10c.; lb., 40c.; 3 lbs., \$1.00; postpaid. By freight or express, lb., 20c., 10 lbs., \$1.85; 100 lbs., \$18.00.

### GRASS SEED MIXTURES FOR MEADOW AND PASTURE.

For every different kind and condition of soil there is a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather, others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best. From these considerations the importance of sowing many varieties for pasture or meadow purposes will be apparent. Successful farmers recommend heavy seeding. The quantity that should be sown per acre depends upon the location and nature of the soil. There is a wide difference of opinion on this subject and the actual quantity of seed necessary should be determined by some one conversant with the local situation. Name your needs as to soil and purpose and we will quote you low prices.



MANSHURY BARLEY. SPELTZ.

**Speltz or Emmer.** The valuable new grain from Russia. It is readily eaten by all kinds of stock, and has shown itself to be especially adapted when fed to milch cows. It is better to mix it, however, with bran and shorts, as it is a pretty heavy feed when fed alone. As a swine feed, we think very well of it, indeed, especially for breed sows. Horses do well on it, but I do not think it is equal to oats in that case. Its most striking value is found in the fact of its drouth-resisting qualities. The United States Department of Agriculture has issued a bulletin on Speltz, commending it highly, and the introductory paragraph of that bulletin states:

"The extremely variable climatic conditions in some of our western states have made it desirable to give particular attention to crops resistant especially to cold and drouth. Among such crops Emmer holds high rank and should become one of the prominent crops for stock feeding. Lb., 25c.; 3 lbs., 60c., postpaid; bu. of 40 lbs., 75c.; 3 bus., \$2.00; 6 bus., \$3.75; 10 bus., \$6.00.



VELVET CHAFF BLUE STEM.



# FIELD CORN.

Any Variety of Field Corn, 1 lb., 20c.; 3 lbs., 50c., Postpaid.

**Extra Early Huron Dent.** After several years' trial on a large scale it is concluded that this is one of the earliest Dent corns grown. Good size stalk and ear, small red cob, long, deep grain, very rich in oil and starch, and is the only smooth, very early Dent corn known. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Pride of the North.** This famous corn still retains its popularity. An exceedingly early and prolific variety, always maturing in ninety days, often shelling sixty-two pounds of grain from seventy pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about seven feet in height. This is, probably, the best Dent corn for general cultivation in the north. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**North Star Yellow Dent.** One of the best early Dents. A safe variety to ripen in any locality. Pk., 40c.; bu., \$1.25.

**Golden Beauty.** A large, broad grained, handsome yellow corn, which is very popular in some sections of the country. Ears are of good size, color bright golden yellow, cobs small. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Minnesota King.** A very early variety, in great favor with our customers in Minnesota, Wisconsin and the Dakotas, and it is considered there the most profitable and best yielding corn, no matter whether weather is favorable or not. It is a yellow half dent variety, with broad, rich golden yellow kernels. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Early Mastodon.** A new yellow dent, the largest and earliest in cultivation; has yielded 200 bushels to the acre. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Champion White Pearl.** Originated in Illinois and is enormously productive; a strong grower; matures in about 100 days. The stalk is stout and thick, with large ears set low. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

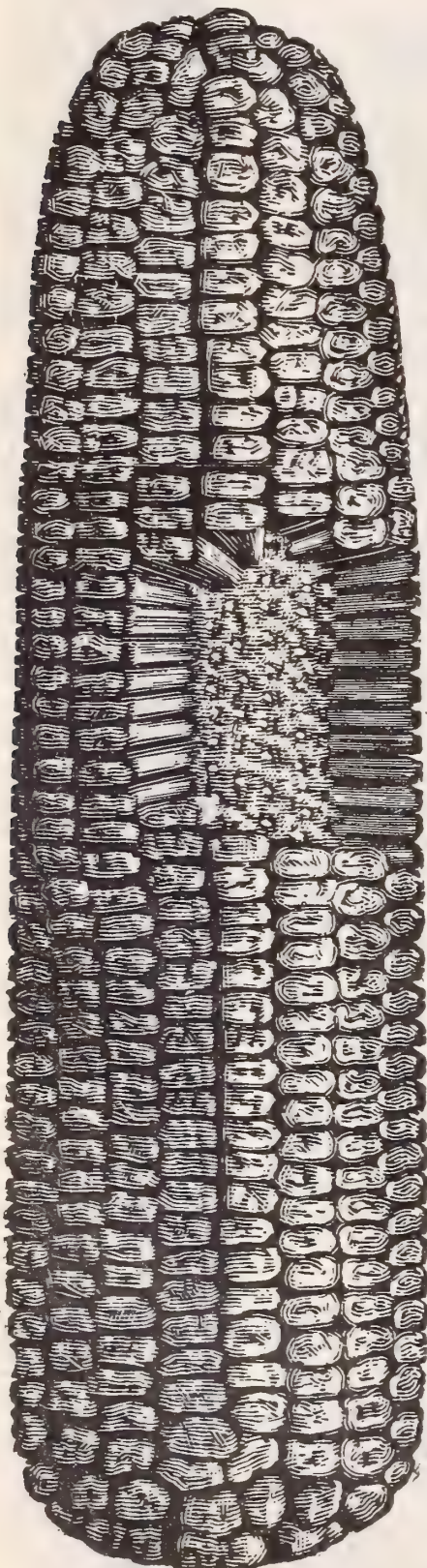
**Iowa Gold Mine.** A splendid new yellow corn. Everyone who has tried it is enthusiastic in the praise of this splendid new variety, which was introduced in 1892. It has everywhere received the most cordial endorsement as one of the best and most profitable varieties ever grown. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Iowa Silver Mine.** The Iowa Silver Mine is a splendid new white corn. We believe that in its yield it will surpass all other varieties of any color. In 1894, the poor corn year, only three-fourths of an acre was planted, yet it yielded just 73 bushels, or at the rate of ninety-seven and one-third bushels to the acre. It has no barren stalks. The ears are very even in size, being but little smaller at the tip than at the butt, and corn is well filled out over the tip. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Reid's Yellow Dent.** A very good yellow dent corn. In size, shape of ear and color of kernel similar to Leaming. This is one of the yellow dents classed as distinct, and having an established standing as such, by the Illinois Corn Breeders' Association. It is very popular and is considered a most profitable variety in many of our best corn growing sections. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Riley's Favorite.** This fine yellow dent variety is a favorite in Indiana and in many sections of Illinois. It compares favorably with Leaming, ear not so tapering and kernel not so close on cob. The type is thoroughly established and its many valuable points recommend it to all corn growers. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.

**Golden Eagle.** This variety of yellow dent corn is another popular medium maturing variety. Ears are large, slightly tapering, tips and butts well covered, kernels deep, cobs small. The yield of shelled corn from a weighed bushel of ears will usually go over standard. The samples of this corn remind us of the old time Edmonds Premium. Dent. Pk., 40c.; bu., \$1.25; 10 bu., \$10.00.



IOWA SILVER MINE.



IOWA GOLD MINE.



## FIELD CORN.

Any Variety of Field Corn, Lb., 25c., 3 lbs., 50c.; postpaid.

**The Improved Leaming.** The Improved Leaming Corn is a medium early yellow variety; large, slightly tapering ears, deep grain, and medium sized red cob. In favorable years there is much uniformity of both kernels and ears. Its numerous broad leaves not only encourage a healthy development but make it a valuable variety for feeding. It has been tested from the 38th to the 42d parallels of latitude, in the past ten years and has proved satisfactory to growers in this wide range. It is one of the seven varieties recognized by the Illinois Experiment Station, where it has been first in yield more times than any other variety in "test of varieties." Numerous tests at the experiment station show it high in protein and oil content, making it valuable to the live-stock grower and feeder. Pk., 40c.; bu., \$1.25; 10 bus., \$10.00.

**Boone County White.** This excellent white variety is probably the best of that class to which Silver Mine and White Superior belong. It is the most popular white variety for Illinois, and would undoubtedly prove superior to all other white dents wherever tried. The Illinois Corn Growers' Association class it as among the best White Dents. Pk., 40c.; bu., \$1.25; 10 bus., \$10.00.

**King Philip Corn.** This excellent red colored Flint corn is so well known that it needs no special description. Pk., 60c.; bu., \$1.75; 10 bus., \$12.50.

**Longfellow Flint.** This is an 8-rowed Yellow Flint variety, the result of careful selection. The ears are from ten to fifteen inches long, one and one-half to one and three-fourths inches in diameter, are well filled out to the extreme end of cob. Pk., 50c.; bu., \$1.50; 10 bus., \$12.50.

**Canada Eight-Rowed Flint.** This standard Flint corn is the earliest of all. It is a safe corn to plant where the season is short. It will mature in eighty-five days of good corn weather. Pk., 50c.; bu., \$1.50; 10 bus., \$12.50.

## POP-CORN.

**Golden Pop Corn.** This variety, the ears of which are from 6 to 8 inches in length, is the largest and most productive of this class of corn. Kernels large, rich color, 12-rowed.

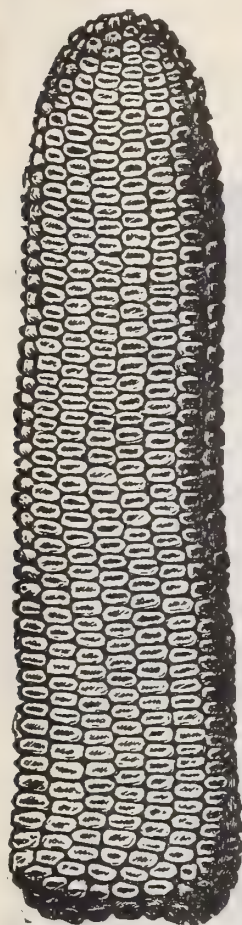
**White Rice Pop Corn.** Wisconsin grown. A very fine white variety; ears 4 to 5 inches in length and 1 to 1½ inches in diameter. Kernel clear white, long and pointed at the top, sloping toward tip of ear. Not easy to husk, but quite prolific and especially salable among the retail grocers in Chicago. It is very desirable for family use, popping out very large and tender.

**Red Rice.** An excellent popping variety of handsome appearance. Ears 4 to 6 inches long, kernel pointed. Color, dark red.

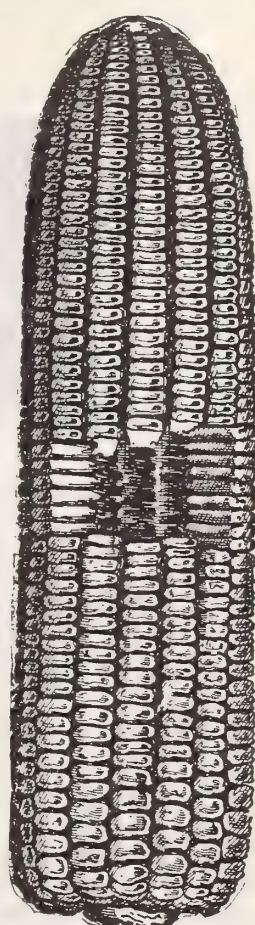
**White Pearl.** Smooth, small-grained; ears 4 to 5 inches long, ¾ to 1½ inches in diameter. Good for family use or market.

**Wisconsin Eight-Rowed.** The standard variety for market. Is largely used by pop corn manufacturers. Grain is broad, smooth and pops out large. Yields well and can be husked rapidly.

Prices on all above varieties of Pop Corn are: Pkt., 5c.; pt., 25c.; qt., 40c., postpaid.



IMP. LEAMING  
YELLOW DENT.



BOONE COUNTY  
WHITE DENT.

## ENSILAGE AND FODDER CORN.

If planted in drills, which should be about three and a half feet apart, twelve to sixteen quarts per acre are required. If sown broadcast, two to two and a half bushels are required to the acre.

These prices include bags and delivery to depot.

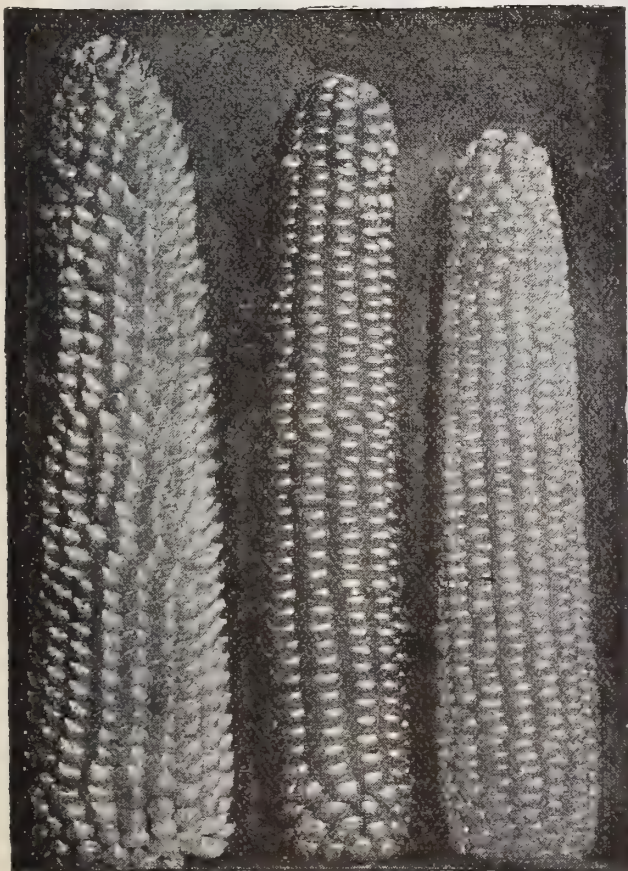
**Southern Large Ensilage.** This variety gives a very heavy yield of fodder. Pk., 35c.; ½ bu., 60c.; bu., 90c.; 10 bus., \$8.50

**Yellow Dent Ensilage.** The large growing Yellow Dent varieties make splendid fodder. Pk., 35c.; bu., \$1.00.

**Sweet Corn for Fodder.** There is nothing better for green feed, or for curing for winter, than sweet corn. Sow in drills or broadcast. Pk., 50c.; ½ bu., \$1.00; bu., \$2.00.

**Red Cob Ensilage.** A most desirable variety, adapted to all sections of the country. Pk., 40c.; bu., 90c.; 10 bus., \$8.50.

WE GIVE SPECIAL ATTENTION to our farm Seed Department and aim to have our prices as low as possible consistent with first quality. The value of all the seeds offered in this department are subject to change and those that we print are based upon the market price at this date, January 1st, 1907. As the season advances values may either advance or decline. FOR THIS REASON we shall be glad to quote market price at any time. Seeds cannot be manufactured and the value of them always depends upon the quantity that has been produced and which is found to be of a quality that meets the standard suitable for planting purposes. When shortages develop prices go up; when the supply is abundant prices come down.



WHITE RICE  
POP CORN.

GOLDEN  
POP CORN.

WHITE PEARL  
POP CORN.

Let the boys try to raise a small patch of pop corn.  
There is usually a good market for it. :: :: :: ::



# SEED OATS.



## CHANGE YOUR SEED.

A change of seed oats is even more important than a change of seed potatoes. It will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety at 5c. per large trial package. Lb., 20c.; 3 lbs., 50c., by mail, postpaid.

In some parts of the country the oat crop was poor this past season. The very unfavorable weather was against good crops. The earth is large, however, and there are plenty of good seed oats to be had, if looked for in the right direction.

Our central location puts us in a position to draw from every source of supply. We have every opportunity for getting the best there is to be had, and every facility for putting it in proper shape for seed purposes.

We deliver all Oats free on board the cars at Chicago, and make no charge for bags.

## WE ARE HEADQUARTERS FOR OATS.

**Lincoln Oats.** Introduced in 1892, and is one of the best for earliness and yield. Has stiff straw and does not lodge. A splendid feeding oat on account of thin hull, heavy meat and soft nib. Pk., 30c.; bu., 75c.; 10 bu., \$6.50

**Clydesdale Oats.** A splendid variety of Scotch oats, which has become very popular in this country. Grain heavy and straw stiff; early, hardy and productive. Pk., 30c.; bu., 75c.; 10 bu., \$6.50.

**Mold's Black Beauty.** The best of all black oats. They are early, the straw is strong and vigorous, and the head extremely long. It stools out remarkably; so much so that 2 bushels are sufficient to seed an acre. Pk., 50c.; bu., \$1.10; 5 bu., \$5.00.

**Royal Victoria.** This variety is the best yielding of the plump heavy grained sorts. It is an exceedingly early variety. For milling it is unsurpassed. The great weight of its grain makes its productiveness one-fourth more than the ordinary kinds, even though it thresh out but the ordinary quantity measured in bushels. Pk., 30c.; bu., 75c.; 10 bu., \$6.50.

**White Bonanza.** A well known oat of great productiveness. Straw stiff and grain plump. Pk., 30c.; bu., 75c.; 10 bu., \$6.50.

**American Banner.** A fine variety of long grained oats. A good yielder. Excellent for feeding or milling. Pk., 30c.; bu., 75c.; 10 bu., \$6.50.

**Welcome.** A good milling oat; a heavy yielder. The grain is plump and heavy. Pk., 30c.; bu., 75c.; 5 bu., \$3.50; 10 bu., \$6.50.

**Giant French Hybrid, Golden Giant Side.** A special stiff-strawed variety; stools wonderfully, very productive, not inclined to lodge. The grain is long. Pk., 30c.; bu., \$1.00; 5 bu., \$4.50; 10 bu., \$8.50.

**Race Horse.** A fine plump grained oat, exceedingly productive and hardy. The grain is short and heavy, weighing as high as 42 pounds to the measured bushel. Pk., 30c.; bu., 75c.; 5 bu., \$3.50; 10 bu., \$6.50.

**Silver Mine Oats.** A well advertised variety, said to be remarkably productive and profitable. Pk., 30c.; bu., 90c.; 10 bu., \$8.50.



ROYAL VICTORIA OATS.

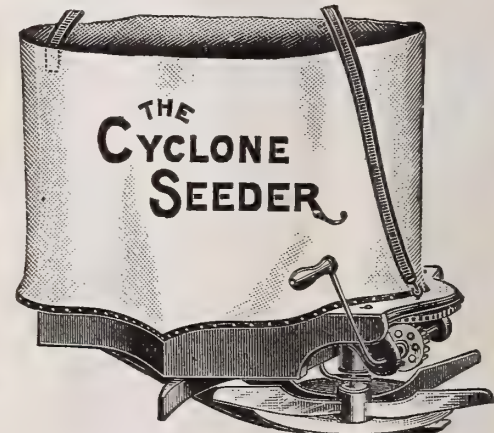
**Big Four Oats.** Pk., 30c.; bu., 75c.; 10 bu., \$6.50.

**Early Champion.** Has comparatively short straw, matures a week to ten days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor "Wallace's Farmer," says: "I would rather risk sowing grass seed with them than any other variety I know of." Pk., 35c.; bu., \$1.00; 10 bu., \$9.00.



## THE CHICAGO FIDDLEBOW SEEDER.

The most economical low-priced seed sower on the market; thousands of them in use. Each, 90c.



## THE CYCLONE SEEDER.

The most economical crank seeder. Does splendid work; in use everywhere. Each, \$1.50.

We give special attention to our Grain, procuring from reliable growers who select for seed. Our process for cleaning is near perfect. :: :: ::

The prices of Grass, Clover, Oats, Wheat and all farm grains fluctuate from time to time, according to the market. We shall be pleased to quote prices by mail.



**Pasture Mixtures.**

We make special mixtures to suit any locality. Write for prices.

**GRASS SEEDS**

Any grass, fodder or forage plant you want, and do not find quoted, write for.



ITALIAN RYE GRASS.



ENGLISH RYE GRASS.



HARD FESCUE GRASS.



ORCHARD GRASS.



KENTUCKY BLUE GRASS.

**PLEASE NOTE** That all Grass Seeds, Clovers, etc., are now priced by the pound and hundred pounds instead of by the bushel. Freight charges and express charges to be paid by purchaser. The prices quoted are those ruling at this date, January 1, 1907, and are subject to change. Market price given upon application.

**STANDARD LIST OF NATURAL GRASSES.**

**Red Top.** (*Agrostis Vulgaris*.) A valuable grass for moist soils and low lands. It is a good, permanent grass, standing our climate as well as any other, and consequently well suited to our pastures, in which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist, rich soil it will grow 2 feet, and on poor, gravelly soil about half that height. 14-pound bushel.

**Solid Seed, Best Grade.** Lb., 25c.; 3 lbs., 60c. postpaid. By express or freight, 10 lbs., \$1.50; 100 lbs., \$8.50.

**Chaff Seed.** Lb., 20c.; 3 lbs., 50c., postpaid. By express or freight, 10 lbs., 75c.; 100 lbs., \$3.50.

**Timothy.** (*Phleum Pratense*.) This is decidedly the best grass for hay, making a large return on strong, rich clay, of medium state of moisture. Lb., 20c.; 3½ lbs., 50c., postpaid. By express or freight, 45 lbs., \$2.00; 100 lbs., \$4.00.

**Italian Rye Grass.** (*Lolium Italicum*.) A valuable European variety, adapted to any climate, and produces large and nutritive crops. 18-pound bushel. Lb., 18c., by mail; 100 lbs., \$6.50.

**English Rye Grass.** (*Lolium Perenne*.) A very nutritious, rapid growing variety, valuable for meadows and pastures. 24-pound bushel. Lb., 18c., by mail; 100 lbs., \$5.50.

**Creeping Bent.** (*Agrostis Stolonifera*.) An excellent variety for lawns and pastures; succeeds well in damp soils. Lb., 25c.

**Tall Meadow Oat Grass.** (*Avena Elator*.) This produces an abundant supply of foliage, and is valuable for pasturing on account of its early and luxuriant growth. It is recommended for hay, and shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. Lb., 35c., by mail; 10 lbs., \$2.25, by express.

**Sweet Vernal Grass.** (*Anthoxanthum Odorum*.) This grass yields but a moderate percentage of herbage. It is remarkable for giving out a pleasant, sweet smell during the process of drying, and it is to the presence of this grass that hay from natural meadows owes its peculiar fragrance. Permanent pastures should not be sown without a portion of this grass. Lb., 35c., by mail; 10 lbs., \$2.25, by express.

**Kentucky Blue Grass.** (*Poa Pratensis*.) This is known in some section as "Green Meadow Grass" and "June Grass," but should not be confounded with "*Poa Compressa*," called by some "June, or Wire Grass." It is the best pasture for our climate and soil, succeeding finely on hill lands and producing the most nourishing food for cattle, retains its qualities to a late period in winter, and, further south, affording abundant food throughout the winter. Sow early in spring or during the months of October and November. Fancy clean seed. Lb., 20c., by mail; 100 lbs., \$9.00.

**Hard Fescue.** (*Festuca Duriuscula*.) Similar to Sheep's Fescue, but not so dense, and growing somewhat taller. This often will cover sandy soil under the shade of large trees where no other grass will grow. Is a desirable addition to lawn grass. Sow 30 pounds per acre. Lb., 30c.; 100 lbs., \$8.50.

**Orchard Grass, or Rough Cocksfoot.** (*Dactylis Glomerata*.) This is one of the most valuable and widely known of all pasture grasses, coming earlier in the spring and remaining later in the autumn than any other. It grows about 2½ feet high, producing an immense quantity of leaves and foliage. Blooms with red clover, making with it an admirable hay. It is well adapted for sowing under trees or orchards, and very valuable either for grazing or for hay. 14-pound to bushel; 2 bushels to acre. Lb., 25c.; 100 lbs., \$11.00.

**Meadow Fescue, or English Blue Grass.** (*Festuca Pratensis*.) A perennial grass from 2 to 4 feet high, with flat, broad leaves. This is one of the standard European grasses. It needs rich ground, and succeeds well on prairie soil. This is an excellent pasture grass to take the place of wild grasses, as it yields a large amount of early and late feed. Sow about 25 pounds per acre. Lb., 30c.; 100 lbs., \$6.50.

**Sheep's Fescue.** (*Festuca Ovina*.) A small, tufted, hardy grass, forming a cluster of narrow, cylindrical leaves, of value in mixture for lawns or dry soils and under shade. Sow about 35 pounds per acre. Lb., 30c.; 100 lbs., \$8.50.

**Tall Fescue.** (*Festuca Elatior*.) A valuable perennial grass, very productive and nutritious. It is native to moist, heavy soil, where it probably does best, but it succeeds well on any good soil, wet or dry. If used alone, sow 40 pounds per acre. Lb., 35c.; 100 lbs., \$27.00.

Prices Vary on all Grass and Clover Seeds and on Farm Grains. We sell at Market price on day of shipment and send accordingly. If the market price is lower than our printed price the buyer gets the benefit.



## GRASS SEEDS—Continued.



Red Top.

Meadow Foxtail.

**Wood Meadow Grass** (*Poa Nemoralis*.) Grows from one and one-half to two feet high; has a perennial creeping root, and an erect, slender, smooth stem. One of the best varieties to sow in shaded situations, such as orchards and parks, for either hay or pasturage. Sow about 30 pounds to the acre. Lb., 50c.; 100 lbs., \$30.00.

**Creeping Bent, Grass** (*Agrostis Stolonifera*.) Particularly valuable for lawns that are to be used as croquet and tennis grounds; because it is benefited more than hurt by tramping, and by its bright color adds to the beauty of the lawn. Lb., 40c.; 100 lbs., \$20.00.

**Meadow Foxtail** (*Alopecurus Pratensis*.) An erect perennial, in appearance slightly resembling timothy. Valuable for permanent pastures, and does best on good moderately moist soil. If sown alone, use 25 pounds per acre. Lb., 50c.; 100 lbs., \$30.00.

**Rough Stalked Meadow** (*Poa Trivialis*.) A strong growing, hardy grass, well suited for deep, moist soils, but of little value on soil which is poor or dry. Sow about 20 pounds per acre. Lb., 50c.; 100 lbs., \$30.00.



Meadow Fescue.

Sheep's Fescue

GRASS AND CLOVER SEED prices constantly change, and it is always best to write for latest market price previous to ordering. But to customers at a distance, who cannot lose the time required to do this, we will say if prices are lower they will get the benefit, and if prices are higher we will ship all that the money sent will pay for. THESE PRICES ARE THOSE RULING JANUARY 1, 1907, AND ARE SUBJECT TO CHANGE.

## CLOVER SEEDS.



Alsike, or Swedish Clover.

Red Clover.

White Dutch Clover.

Scarlet Clover.

Lucerne, or Alfalfa.

**Medium Red or June** (*Trifolium Pratense*.) This is by far the most important of all varieties, for the practical purpose of agriculture. Sow in spring or fall, and when no other grasses are used, at the rate of eight or ten pounds per acre, more being required on old, stiff soils than on new and lighter ones. Sixty pounds per bushel. Lb., 20c., postpaid; 100 lbs., \$12.50.

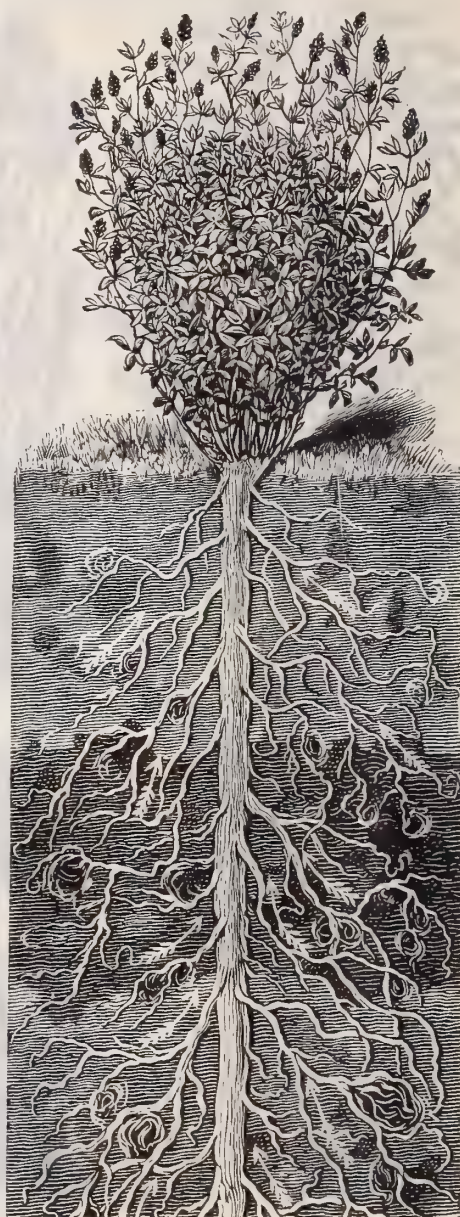
**Mammoth or Large Red** (*Trifolium Pratense*.) It grows five or six feet high, but its stalks are so coarse and large that stock will eat only the leaves. By its judicious use lands which have been exhausted may be reclaimed, as it will grow where the common clover will fail. Sow at the rate of about eight pounds per acre. 60 lbs. per bushel. Lb., 25c.; postpaid, 100 lbs., \$12.50.

**White Dutch** (*Trifolium Ripens*.) A small, creeping, spreading, perennial variety, valuable for pasture and lawns. It accommodates itself to a variety of soils, but prefers moist ground. In conjunction with Blue Grass it forms the most nutritious food for sheep or cows. Sow in spring at the rate of six pounds per acre, or when used with other grasses half that amount will be sufficient. Lb., postpaid, 40c.; 3 lbs., \$1.00; 100 lbs., \$16.00.

**Alsike or Swedish** (*Trifolium Hybridum*.) This valuable variety is fast gaining great popularity. It is the most hearty of all the clovers; perennial. On rich, moist soils it yields an enormous quantity of hay or pasture, and may be cut several times in a season, but its greatest value is for sowing with other clovers and grasses, as it forms a thick bottom and greatly increases the yield of hay and cattle prefer it to any other forage. Sow in spring or fall at the rate of six pounds per acre, where used alone. 60 pounds per bushel. Lb., postpaid, 35c.; 3 lbs \$1.00; 100 lbs., \$13.50.

**Alfalfa or Lucerne** (*Medicago Sativa*.) One of the best varieties, succeeding in almost every situation and bearing heavy crops of forage. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down fully three feet into the earth. Sow early in spring to secure a good stand before winter, if to be used for pasturage or for curing. Lb., postpaid, 30c.; 10 lbs., by express, \$1.50; 100 lbs., \$13.50.

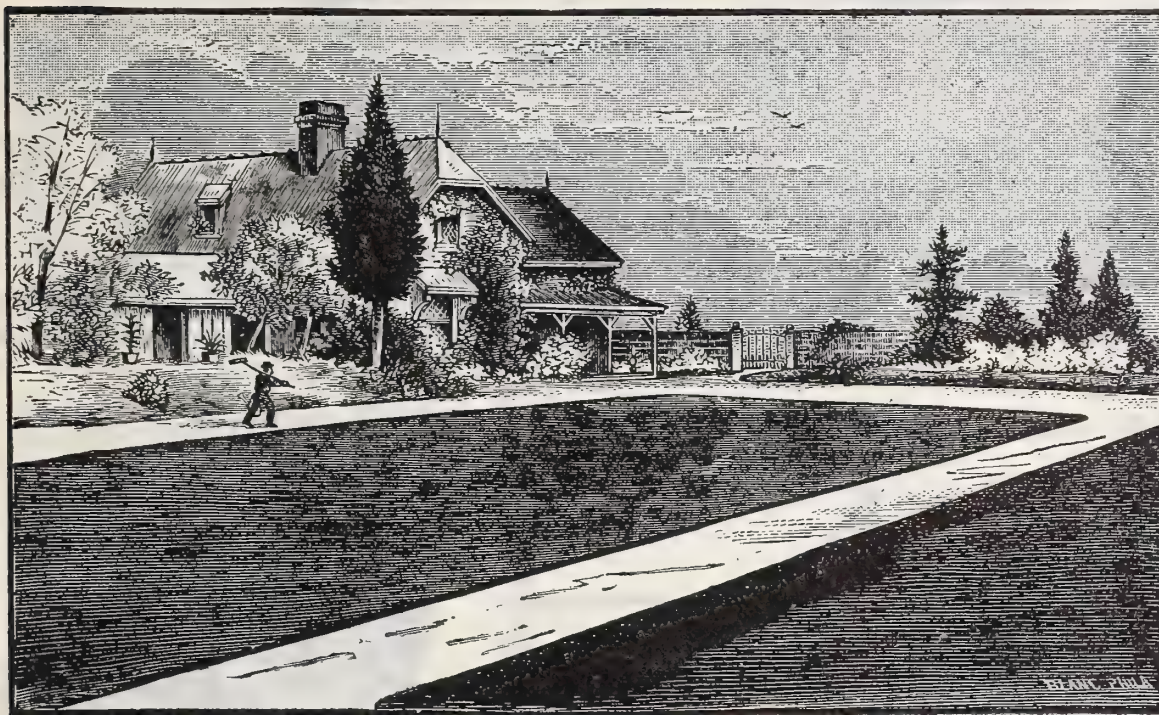
**Crimson or Scarlet Clover.** It can be seeded at any time from June to October, at the rate of fifteen to twenty pounds per acre, and makes the earliest possible spring pasture, blooming the latter part of April or May and for feeding, as hay should be cut just before coming into full bloom. If sown with Italian Rye Grass or Orchard Grass, which matures at the same time, it yields luxuriant and nutritious crops for pasture. Sow Crimson Clover at the last working of all crops like beans, corn, melons, cucumbers, tomatoes, and other crops, wherever the land is not intended for such early spring crops as would not be benefited by following such a seeding, although it would pay to seed for only fall and winter months, if only for protecting the ground through the winter and catching and holding the fertility of the soil, which would otherwise be lost by leaching or other causes. 100 lbs., \$6.50.



ALFALFA.



# LAWN GRASS MIXTURES.



## FINE LAWNS

Can only be made by using the best grade of grasses. The proper blending to give satisfactory result needs the study of years. Among some of the most beautiful lawns of Chicago and its suburbs are those sown with Leonard's special mixtures.

### THE "LEONARD" LAWN GRASS

For quickly producing a permanent, thick and velvety sward of grass, this brand of Lawn Grass cannot be excelled. It is the best mixture of grasses we sell for lawn-making, and will give satisfaction wherever sown. Lb., 35c.; 3 lbs., \$1.00, postpaid. Sold over our counters or sent by express or freight at buyer's expense, lb., 25c.; 5 lbs., \$1.00; 10 lbs., \$1.85; 100 lbs., \$16.00.

### CHICAGO PARKS MIXTURE.

This popular Mixture in all cases gives good satisfaction. A pound of seed will sow about twenty feet square. Price, per lb., 30c.; 3½ lbs., \$1.00, postpaid. Sold over our counters or sent by express or freight at buyer's expense, lb., 20c.; 6 lbs., \$1.00; 10 lbs., \$1.75; 100 lbs., \$15.00.

### EVERGREEN LAWN GRASS.

This Mixture contains many grasses which are not in the Chicago Parks Lawn Grass, and although the latter is well and favorably known this will be found a much better one.

With slight variations, it can be prepared to suit light, medium or heavy soil, and when wanted for Croquet Ground or Tennis Court those grasses which produce a firm turf can be used more liberally. Lb., 35c.; 3 lbs., \$1.00, postpaid. Sold over our counters or sent by express or freight at buyer's expense, lb., 25c.; 5 lbs., \$1.00; 10 lbs., \$1.85; 100 lbs., \$16.00.

### "GOOD" LAWN MIXTURE.

For an ordinary yard where a cheaper mixture is deemed sufficient we recommend this grass seed. Lb., 25c.; 3 lb., 60c., postpaid. Sold over our counters or sent by express or freight at buyer's expense. Lb., 15c.; 10 lbs., \$1.25; 100 lbs., \$11.50.

### MIXTURE FOR SHADED SPOTS.

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places, for sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. Lb., 30c.; 3½ lbs., \$1.00, postpaid. Sold over our counters or sent by express or freight at buyer's expense, lb., 20c.; 6 lbs., \$1.00; 10 lbs., \$1.75; 100 lbs., \$15.00.

### GOLF LINK MIXTURES.

There is no use to which a grass mixture is put that is so exacting as that used for pleasure grounds, golf links, etc. No other turf is required to stand such wear and rough usage. Hence the necessity of sowing such grasses as will produce a thick and healthy growth, and withstand the tramping of many feet.

### FOR THE PUTTING GREEN.

Specially prepared. Sold over our counters or sent by express or freight at buyer's expense, lb. 20c.; 5 lbs., 90c.; 10 lbs., \$1.75; 25 lbs., \$4.00; 100 lbs., \$15.00.

### FOR THE LINKS.

Specially prepared. Sold over our counters or sent by express or freight at buyer's expense, lb., 20c.; 5 lbs., 90c.; 10 lbs., \$1.75; 25 lbs., \$4.00; 100 lbs., \$16.00.



CHICAGO PARK SCENE. Leonard's Lawn Grass is used here.

## LAWN FERTILIZERS.

**Leonard's Lawn Fertilizer.** Quick acting and long lasting. Guaranteed analysis: Ammonia, 4 to 5 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 8 to 11 per cent; actual potash, 7 to 9 per cent. This is positively the best article on the market for use as a complete manure for all purposes. It is the best lawn fertilizer ever prepared. Note the large amount of actual potash in this brand. 10-lb. package, 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$2.00; 200 lbs., \$3.50; ton, \$33.00.

**Blatchford's Plant Grower Lawn Fertilizer and Land Renovator.** This splendid fertilizer is composed of pure nitrate of soda, muriate of potash, sulphate of ammonia, bone meal and gypsum. It is excellent for lawns, for indoor plants, vegetable crops and for all purposes for which a fertilizer is needed. 12½ lb. bag, 50c.; 30 lb. bag, \$1.00; 100 lb. bag, \$2.50. Special quotations on large lots.



# FLOWER SEEDS

## THE MOST POPULAR VARIETIES AND CHOICEST STRAINS.

Cultural directions are given on the packets, and we urge purchasers to study them carefully. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; be careful not to allow the young plants to be crowded or to be smothered by weeds.

ALL FLOWER SEEDS SENT POSTPAID ON RECEIPT OF PRICE.



ALYSSUM—LITTLE GEM.

### Complete General List



AURICULA.

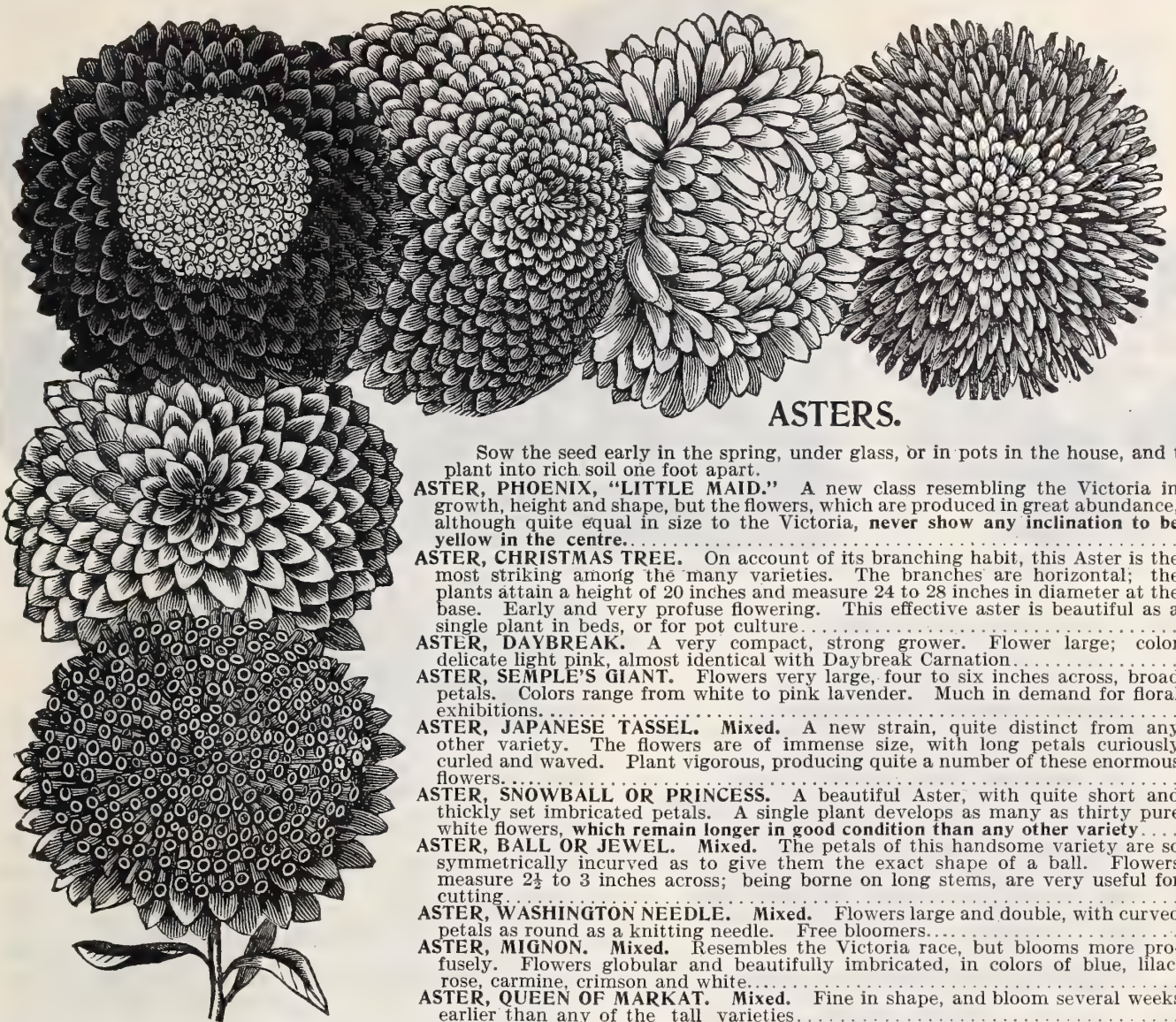
- ABRONIA UMBELLATA.**  
Handsome trailing plants, with clusters of sweet-scented, rosy pink flowers, resembling the Verbena. . . . . .05  
**ACONITUM.** (Monk's Hood.)  
Grows well in any good soil, even when in the shade. . . . . .05  
**ACROCLINIUM.**  
Beautiful everlasting flowers. Cut when they begin to expand. Double, Mixed. . . . . .05  
**ADLUMIA CIRRHOSA.** (Mountain Fringe.)  
An attractive climber, with beautiful feathery foliage resembling the Maiden Hair Fern. Flowers rose colored. . . . . .05  
**ADONIS.**  
Hardy plants with delicate foliage, flowering freely and of easy cultivation.  
**Adonis Aestivalis.** Deep crimson. . . . . .05  
**Adonis Vernalis.** A charming hardy variety with large yellow flowers, blooming early in spring. . . . . .05  
**AGERATUM.**  
**Ageratum.** Choice Mixed. Suitable for pot culture or bedding, bearing in profusion clusters of feathery flowers. This mixture of colors contains the beautiful amethyst blue. . . . . .05  
**ANEMONE JAPONICA QUEEN CHARLOTTE.**  
Very hardy and easily grown from seed. Flowers large, semi-double, of the same beautiful shade of pink as the "La France" Rose. . . . . .10  
**AMMOBIUM.** (Everlasting Flower.)  
**Ammobium Alatum Grandiflorum.** Large white-flowering variety. . . . . .05



AGERATUM.

- ALYSSUM.**  
Free flowering plants for beds, edging, etc. Useful for bouquets because of their delicate fragrance.  
**Alyssum Sweet, Little Gem.** Dwarf and compact, with plants a mass of white from spring until frost. . . . . .05  
**Alyssum, Sweet, White.** Per oz., 25c. . . . . .05  
**Alyssum Saxatile.** (Hardy Alyssum.) Beautiful spring-blooming variety, with flowers of a deep pure yellow. . . . . .05  
**AMARANTHUS.**  
Ornamental foliage plants. They are most brilliant on poor soil.  
**Amaranthus Tricolor Splendens.** Very brilliant. . . . . .05  
**Amaranthus Salicifolius.** The leaves change in color from a bronzy green to a brilliant scarlet as the plant attains age. . . . . .05  
**ARABIS ALPENA.**  
Hardy, herbaceous plant, with pure white flowers; blooms very early in the spring; fine for borders, desirable for cemeteries. . . . . .05  
**ARCTOTIS GRANDIS.**  
Handsome bushy annual 2 ft. high, flowering abundantly from early summer until late autumn. The beautiful daisy-like flowers, 2½ in. across, are white, shaded with pale lilac and zoned with yellow. . . . . .10  
**AURICULA.**  
Tender perennials. Also called French Cowslips. An old garden favorite.  
**Alpine.** Most hardy. Pkt. . . . . .10  
**ASPARAGUS PLUMOSUS ROBUSTUS.**  
The fronds often attain a length of 9 ft., are very dark green and finely feathered. Being of such vigorous growth it yields more sprays for cutting than any other variety and is easily propagated. . . . . .20





## ASTERS.

Sow the seed early in the spring, under glass, or in pots in the house, and transplant into rich soil one foot apart.

**ASTER, QUEEN OF MARKET.** Deep Scarlet. Flowers very double.

**ASTER, TRUFFAUT'S PAEONY-FLOWERED PERFECTION.** The flowers of this fine class are perfect in form, size and fullness. Petals incurved.

**ASTER, PHOENIX, "LITTLE MAID."** A new class resembling the Victoria in growth, height and shape, but the flowers, which are produced in great abundance, although quite equal in size to the Victoria, never show any inclination to be yellow in the centre. . . . .05

**ASTER, CHRISTMAS TREE.** On account of its branching habit, this Aster is the most striking among the many varieties. The branches are horizontal; the plants attain a height of 20 inches and measure 24 to 28 inches in diameter at the base. Early and very profuse flowering. This effective aster is beautiful as a single plant in beds, or for pot culture. . . . .05

**ASTER, DAYBREAK.** A very compact, strong grower. Flower large; color delicate light pink, almost identical with Daybreak Carnation. . . . .05

**ASTER, SEMPLE'S GIANT.** Flowers very large, four to six inches across, broad petals. Colors range from white to pink lavender. Much in demand for floral exhibitions. . . . .05

**ASTER, JAPANESE TASSEL.** Mixed. A new strain, quite distinct from any other variety. The flowers are of immense size, with long petals curiously curled and waved. Plant vigorous, producing quite a number of these enormous flowers. . . . .05

**ASTER, SNOWBALL OR PRINCESS.** A beautiful Aster, with quite short and thickly set imbricated petals. A single plant develops as many as thirty pure white flowers, which remain longer in good condition than any other variety. . . . .05

**ASTER, BALL OR JEWEL.** Mixed. The petals of this handsome variety are so symmetrically incurved as to give them the exact shape of a ball. Flowers measure 2½ to 3 inches across; being borne on long stems, are very useful for cutting. . . . .05

**ASTER, WASHINGTON NEEDLE.** Mixed. Flowers large and double, with curved petals as round as a knitting needle. Free bloomers. . . . .05

**ASTER, MIGNON.** Mixed. Resembles the Victoria race, but blooms more profusely. Flowers globular and beautifully imbricated, in colors of blue, lilac, rose, carmine, crimson and white. . . . .05

**ASTER, QUEEN OF MARKET.** Mixed. Fine in shape, and bloom several weeks earlier than any of the tall varieties. . . . .05

**ASTER, TRUFFAUT'S PAEONY-FLOWERED PERFECTION.** The flowers of this fine class are perfect in form, size and fullness. Petals incurved. . . . .10

**ASTER, TRUFFAUT'S BLACK-BLUE.** . . . .05

**ASTER, TRUFFAUT'S FINEST MIXED.** . . . .05

**ASTER COMET.** Sulphur Yellow. A beautiful distinct variety, with long, wavy and twisted petals, resembling the Japanese Chrysanthemums. . . . .05

**ASTER, GIANT COMET.** The Bride. White changing to rose. Unsurpassed in delicacy of coloring and elegance of form. . . . .05

**ASTER, GIANT COMET.** Mixed. . . . .05

**ASTER, COMET.** Dwarf White. The plant does not exceed 7 inches in height, while its beautiful pure white flowers attain a diameter of 4 inches, making it valuable as a bedding and pot plant. The earliest of large flowering white asters. . . . .05

**ASTER, COMET.** Dwarf Rose. . . . .05

**ASTER, WASHINGTON.** Pure White. Very large flowering, extra double; fine for exhibition purposes. . . . .05

**ASTER, WASHINGTON.** Peach Bloom. . . . .05

**ASTER, WASHINGTON.** Silver Gray. . . . .05

**ASTER, WASHINGTON.** Mixed. . . . .05

**ASTER, VICTORIA.** Finest Mixed. An unrivalled and favorite class, of which we have a very fine strain; flowers large and perfectly double, of globular shape. . . . .05

**ASTER, PYRAMIDAL.** Large and Double. Similar in style to the Paeony variety, but more branching, with splendid, extra double flowers. . . . .05

**ASTER, GIANT EMPEROR.** Mixed. Flowers few, very double, often 4 inches in diameter. . . . .05

**ASTER, PERFECTION.** Light Yellow. . . . .05

**ASTER, GOLIATH.** Of extremely vigorous growth, forming large. . . . .05

**ASTER, BETTERIDGE'S.** Quilled Sulphur Yellow. Flowers very double. . . . .05

**ASTER, TRIUMPH.** White, Dark Scarlet and Dark Blue Mixed. Beautiful dwarf asters, with large incurved flowers. Especially recommended for pot culture or dwarf groups. . . . .05

**ASTER, MIDSUMMER TRIUMPH.** Dark Scarlet. Differs from the well known Triumph Aster, in that it commences to bloom in July, and continues to flower for a long period. . . . .05

**ASTER, DWARF.** Fiery Scarlet. . . . .05

**ASTER, BOLTZE'S NEW DWARF BOUQUET.** Mixed. About 8 inches high, very double, rich and free flowering; fine for pots or beds. . . . .05

**ASTER.** All Varieties Mixed. Tall and dwarf, great variety of colors. . . . .05

**ASTER.** Single Flowering. A new variety of vigorous growth and very fine colors. . . . .05



CHRISTMAS TREE ASTER.



**BRACHYCOME.****ARISTOLOCHIA. (Dutchman's Pipe.)**

A beautiful hardy climber. Leaves large and luxuriant, flowers brownish yellow, in shape resembling a pipe. . . . .05

**BALLOON VINE.**

Ornamental climbing plant, remarkable for an inflated membrane capsule from which it derives its name. . . . .05

**BRACHYCOME. (Swan River Daisy.)**

Produce an abundance of daisy-like flowers, about 1 foot high. Fine for edgings, beds or rustic baskets. . . . .

Blue. Pkt., 5c. White. Pkt., 5c. Mixed. Pkt., 5c.

**BALSAMS. (Lady Slippers.)**

Beautiful, half-hardy annuals, from 1½ to 2 feet in height. Sow the seed early in frames, and transplant to a well-enriched border. . . . .

Balsams. Improved Camelia-flowered. Finest mixed. Flowers very large and extra double. . . . .05

Balsams. Improved Camelia-flowered White Perfection. Pure white, with large, very finely formed double flowers. The plant with its stems thickly crowded with snow-white blossoms, produces a magnificent effect. . . . .05

Balsams. Dwarf Spotted. Finest Mixed. . . . .05

Balsams. Double, Very Fine. Mixed. Rich, effective and popular. . . . .05

Balsams. Double, Rose-flowered. Very double. Splendid mixture . . . . .05

**BEGONIA.**

**Tuberous Rooted Varieties.** It is impossible to over-estimate the value of these magnificent flowering plants. In colors ranging from pure white to deep, rich crimson, they make a gorgeous display excelling the most vivid Geraniums.

**CANDYTUFT. NEW EMPRESS.**

**Tuberous Rooted Single.** Splendid mixture. . . . .15

**Tuberous Rooted Double. Mixed.** Splendid quality, saved from a choice, rich collection. . . . .30

**Tuberous Rooted New Double Fringed.** Ninety per cent of the seedlings are double, half of which have the beautiful characteristically fringed petals. The double flowers, 4 to 5 inches in diameter, display a charming effect, the white ones resembling little snowballs. White, pink and scarlet mixed. . . . .15

**CANDYTUFT.**

Very useful for bedding, bouquets and pot culture.

**Candytuft, Little Prince.** A charming new dwarf variety, growing 4 inches high, with large spikes of pure white flowers. . . . .10

**Candytuft, Rose Cardinal.** A very striking and rich color. . . . .05

**Candytuft, Empress.** Strong, free-growing, with candelabra-shaped branches, producing immense trusses of pure white flowers. . . . .05

**Candytuft. Mixed.** . . . .05

**CALLIOPSIS OR COREOPSIS.**

One of the most showy of all annuals, the colors being so striking as seldom to be passed without a remark.

**Coreopsis, Drummond's.** Yellow flowers, crimson center. . . . .05

**Coreopsis, Golden Wave.** Very bushy and compact. A mass of bright, golden color from July to October. Flowers 2 inches across, with small dark centers. . . . .05

**Coreopsis, Mixed Varieties.** Yellow and brown and velvety brown. . . . .05

**Coreopsis, Lanceolata.** The perpetual Golden Coreopsis. Very free blooming and lasting in its golden glory throughout the summer and fall. Unequaled for cutting. . . . .05

**CALLIOPSIS. GOLDEN WAVE.**

ALL Flower Seeds and Summer Flowering Bulbs sent Free by Mail, at Catalog prices : : :

**CALCEOLARIA.**

Flowers highly decorative; very desirable, indeed, invaluable for the house, greenhouse and the garden. Seeds should be started in pots, but not under glass.

**Calceolaria Tigridus.** A spotted variety, extra fine. . . . .25

**CANARY BIRD FLOWER.**

A highly ornamental creeper, with exceedingly beautiful yellow fringed flowers, and finely divided foliage. . . . .05

**REMEMBER==That, although our house is best known through its Vegetable Seed Specialties==we are also in the front rank for Flower Seeds. Ours is the largest Garden Seed business in Chicago.**

**Chrysanthemum**

25 CENTS worth extra given to all customers sending \$1.00 for Flower Seeds in packets : : :

**CHRYSANTHEMUMS.**

Handsome hardy annuals producing quantities of large flowers of striking colors, making a brilliant display.

**Single or "Painted Daisy" Varieties Mixed.** . . . .05

**Single or Double Yellow.** Flowers very double, globe-shaped, extremely double. . . . .05

**Single or Double Fringed. Mixed.** Flowers very double, with exquisitely fringed petals, in great diversity of colors, from white and yellow to blood-red purple. . . . .10

**OUR FLOWER SEEDS** are the product of the best specialists in their respective classes. The mixtures contain the various colors blended in proper proportion. : : :





MARGARET CARNATION

## CARNATION.

**Margaret Mixed.** These carnations have created a universal sensation, not only on account of their beautiful colors, but, unlike all others, they bloom in about four months from sowing the seed. Bloom until checked by frost. Fully 80 per cent are double, and embrace a fine range of brilliant colors. Plants are neat, dwarf branching and compact.

**Choice Double Mixed.** Producing many double flowers of all shades and colors. Pkt. .10



CINERARIA

## CANNA.

The beauty of these extremely ornamental foliage plants is greatly enhanced by the brilliancy of the flowers, of all shades of orange, yellow, crimson and vermillion, and many varieties are beautifully spotted. If sown in February, in hot-beds or pots in the house, will bloom in August. Cut seed at one of the points, soak several hours in hot water.

**Canna Variegata.** The leaves are of light green, thickly splashed, lined and barred with red and yellow, and margined with a clear, crimson color. Flowers brilliant scarlet.

**Canna, Crozy's New Hybrids.** .05

Saved from the most beautiful new varieties, mostly dwarf, early bloomers, and very remarkable for beauty, size of flowers and foliage; capital class for pots and forcing.

**Canna. Extra Choice. Mixed.** .05

## CANTERBURY BELLS.

Very ornamental, growing about 2 ft. high, producing beautiful, large, bell-shaped flowers, which make a glorious display when planted in large beds.

**Canterbury Bells. Single, blue and white mixed.** .05

**Canterbury Bells. Double. Mixed.** .05

## "CUP AND SAUCER" CANTERBURY BELLS.

(*Campanula Calycanthem.*)

A beautiful variety, vigorous and symmetrical in growth; often has thirty to forty large handsome flowers open at the same time on one stalk.

**Campanula Calycanthem. Splendid Mixed.** .10



CENTAUREA CYANUS, DOUBLE FLOWERED

## CENTAUREA.

**Bachelor's Button or Centaurea Cyanis.** A showy, hardy annual succeeding well in any soil, and bearing a profusion of flowers in shades of pink, blue and purple. .05

**Centaurea Margaret.** Large, fragrant flowers; produced on long stiff stems they are fine for cutting and decoration. .05

**Centaurea, New Giant Imperial.** The best yet introduced. Grows 4 ft. high, of enormous dimensions, covered with large, very fragrant flowers of an infinite variety of color. .10

## COLEUS.

Gorgeous colored plants, with variegated foliage; indispensable for ornamental bedding, and fine for pot culture.

**Coleus. Fine Varieties. Mixed.** .10

## CINERARIA.

Beautiful free flowering plants, for greenhouse and window garden. Flowers large, of rich colors, completely covering the plant with a mass of bloom. Finest mixed varieties. 25

## CLARKIA. SINGLE MIXED.

Pretty hardy annual, about 18 inches high, blooming from June to September. .05

## CLEMATIS.

Beautiful, hardy climbers, unrivalled for covering arbors, fences, verandas, etc.

**Clematis. Perennial sorts. Fine varieties mixed.** .10

**Clematis Pitcheri. Brilliant scarlet.** .10





COSMOS, NEW MAMMOTH HYBRIDS

## COLUMBINE. (Aquilegia.)

Well-known hardy plants, growing about 2 ft. high, blooming in May and June. These beautiful perennials, with their fine foliage and abundance of long-stemmed, graceful flowers rising above it, should be more generally cultivated.

- Columbine. Double Mixed.** Very double in a beautiful variety of colors. . . . . .05  
**Columbine. California.** Flowers waxy yellow, large and handsome. . . . . .10  
**Columbine. Chrysantha.** A splendid new double-flowering variety. Plants robust, and the numerous branching flower stems are crowned with a profusion of double and semi-double golden yellow flowers. . . . . .15  
**Columbine. Long-Spurred, Double Hybrids.** New double flowering California Columbine. The colors range from white and yellow to light and dark blue. . . . . .20

## COXCOMB.

Hardy attractive annuals for bedding and pot culture.

- Coxcomb Glasgow Prize.** Fine dwarf sort, with large crimson combs. . . . . .10  
**Coxcomb Crimson.** Tall, very fine (pure). . . . . .05  
**Coxcomb. Dwarf Mixed.** Very beautiful. . . . . .05  
**Coxcomb, Feathered.** New and very fine for bouquets. . . . . .05

## DAHLIA.

Sow the seeds early in pots or under glass, and transplant to strong, deep, rich soil, and plants will bloom the first season.

- Dahlia. Single Varieties.** Splendid mixture. Handsome bedding plants, and extensively used for cutting. . . . . .10  
**Dahlia, Single. Perfection or Giant.** A splendid strain. The seed being gathered from the broadest petalled flowers only, reproduces them in a variety of the most splendid colors, among which are many striped sorts. . . . . .15  
**Dahlia. Double Mixed.** Seeds saved from fine named sorts. . . . . .10  
**Dahlia, Juarez.** (Cactus Dahlia.) Splendid Varieties Mixed. . . . . .15  
**Dahlia, Double Gloria.** Perfectly new race in a great diversity of forms. One plant produces its flowers as a double Scabiosa, another as a double Gaillardia, a third as a peony-flowered Aster, the next as a perennial Pyrethrum, another as a double Zinnia, and still another as a rosy red Giant Daisy. Their colors are as rich and varied as in all other classes. Per pkg. . . . . .15

## DATURA. (Trumpet Flower.)

Showy plants, producing very large, sweet-scented, trumpet-shaped flowers. Roots should be removed to cellar in autumn.

- Datura. Wright's.** White, bordered with lilac. Per pkg. . . . . .05  
**Datura, Golden Queen.** Beautiful, double, yellow flowers, fragrant. If seed is sown indoors in March, plants will bloom in July. From that time on they will be covered with their large and showy flowers. Per pkg. . . . . .05

## COSMOS.

A very effective autumn flowering plant, with beautiful foliage, growing from 6 to 8 ft. high, literally covered with very large, single, daisy-like flowers, in shades of rose, purple and white. For cutting, this is one of the finest flowers grown. Sow in April in pots or in the hot bed, and transplant one foot apart.

- Cosmos. The Bride. Pure White.** The White Cosmos is the most fragrant. . . . . .10  
**Cosmos, Mammoth. New Fancy Varieties.** In this splendid mixture are monster pink and white flowers, beautiful crimson shade, delicate white and mauve, with daintily tinted and clouded with pink and mauve. Some large, white blossoms have broad plaited petals and pinked edges. . . . . .10  
**Early Cosmos. Mixed.** Extra early, blooming in July. . . . . .05

## CYPRESS VINE.

Most beautiful and popular tender climber, with very delicate, fern-like foliage and numerous flowers.

- Cypress Vine. Scarlet. Very Brilliant.** . . . . .05  
**Cypress Vine. White.** . . . . .05



SINGLE DAHLIA.





DOUBLE DAISY.

## DELPHINIUM. (Perennial Larkspur.)

Flowers remarkable for their great beauty, diversity of shades, and striking appearance. Desirable for mixed borders. If sown early will bloom first year from seed.

- Delphinium Formosum.** Our flowers were 2 inches in diameter by actual measurement, brilliant azure blue in color. Spikes 8 to 10 inches in length. .05  
**Delphinium Elatum.** (Bee Larkspur.) Blue. 2 ft. .05  
**Delphinium Hybridum.** Fine Mixed, Splendid. .05  
**Delphinium Elatum, Semi-Dwarf.** A beautiful new variety, growing about 3 feet in height. Flowers extra large, in all shades of blue, from the lightest celestial to the deepest indigo. Remarkably fine when in full bloom and worthy a permanent place among our leading perennials. .15



GAILLARDIA LORENZIANA.

**Foxglove, Large Flowering.** Spotted and Mixed. Very ornamental amongst shrubbery, producing tall spikes of showy flowers of purple, rose, white and yellow. .05

## FUCHSIA.

Elegant flowering plants, of easy culture in pots for parlor decoration or in the garden. In the garden they require a slightly shaded situation. Soil should be rich.

**Fuchsia.** Finest Varieties, Mixed. .15

## GAILLARDIA.

One of the most showy and brilliant of garden flowers, fine for bedding and cutting, producing large flowers of rich shades throughout the summer.

**Gaillardia.** Single, Grandiflora, Splendid, Mixed. .05  
**Gaillardia.** Picta Lorenziana, Double. Flowers very double, of various shades, orange, claret, amaranth, sulphur, etc. .05

## GERANIUM.

**Giant Flowering Hybrids.** A strain of seed saved from fine new improved Hybrids. The colors are all shades of scarlet, crimson, rose, pink, salmon, cream, veined pink, bluish, pure snowy white. .15  
**Geranium.** Zonale Varieties. Saved from some of the finest collections; many choice and entirely new varieties may be expected. Pkt., 10c.

## SHASTA DAISY.

This is one of the creations of Mr. Luther Burbank. It is perfectly hardy, grows anywhere and blooms more abundantly each season. The flowers are very large, a foot or more in circumference, growing on long stems, with two rows of broad, pure white petals and a yellow center. Pkt., 10c.

## DOUBLE DAISY. (Bellis Perennis.)

Charming plants for edging and dwarf beds, blooming the first year from seed. Thrive well in shady places.

**Daisy, Snowball.** Large flowered, pure white, and extremely double, with very long stems, making them valuable for cutting. .10  
**Daisy, "Longfellow."** Flowers of unusual size, a dark rose color. .10  
**Daisy, Double.** Mixed. .05



FORGET-ME-NOT.

## ESCHSCHOLTZIA. (California Poppy.)

A very showy plant, about 1 foot high, blooming from June until September. Produces a brilliant effect at a distance when grown in a mass. Hardy.

**Eschscholtzia, New Giant, "The Golden West."** Flowers very large with overlapping petals, often delicately waved at the edges. In some the orange blotch almost suffuses the whole flower, in others it runs into the yellow in fine penciled lines; others again have an orange center with a margin of clear yellow, while the Maltese cross in some of the flowers is very distinct. .10

**Eschscholtzia.** Finest Mixed. .05  
**Eschscholtzia.** Double Mandarin. Large double flowers. .05

## FORGET-ME-NOT. (Myosotis.)

A very pretty, little, hardy perennial, about 6 inches high. Will thrive best in a cool, moist situation, and is well adapted for bedding or rockwork.

**Forget-me-not.** Distinction. Very dwarf and free-flowering, blooming two months after seed is sown. .10

**Forget-me-not, Blue.** The standard variety. .05  
**Forget-me-not, "Jewell."** This variety produces on a long flower stem a perfectly formed, brilliant sky-blue head. .10

## FEVERFEW. (Matricaria.)

A beautiful half hardy perennial, well adapted for beds.

**Feverfew, Double Dwarf.** Flowers large, creamy-colored and very double. .05



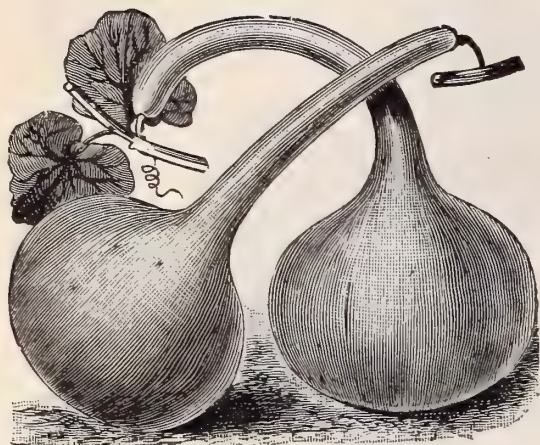
GERANIUM.

## Blatchford's Plant Grower For House Plants.

A very finely ground and specially prepared grade of Blatchford's Plant Grower and Land Renovator is made for House Plants. It is practically odorless, very soluble and easily applied, viz., once a week a teaspoonful mixed to each quart of water when watering the plants. It puts new life and vigor into them and increases the bloom. It is excellent for Palms, Ferns, India Rubber Plants and House Plants. Every lover of beautiful House Plants should try a package. A package is enough for 50 plants for six months.

**1½ Pounds in Tin Package 25c: By Mail Postpaid 50c.**





## GOURDS. DIPPER.

## GLOBE AMARANTH.

Tender Annuals about 2 ft. high, very ornamental in the garden. The flowers will retain their beauty for a long time if gathered and dried as soon as they are open.

Globe Amaranth. Variegated and Mixed .05

## GLOXINIA.

A superb class of greenhouse and indoor plants, producing, in great profusion, elegant flowers of the richest and most beautiful colors.

Gloxinia. Grandiflora. Mixed .25

Gloxinia. Hybrid Grandiflora. "Coquette." A grand addition to all the well-known Gloxinias on account of its beautiful yellow throat. .20

## HELIPTERUM.

Helipterum Sanfordi. A variety of everlasting flowers, of great beauty; of dwarf tufted habit; producing large, globular clusters of bright golden-yellow flowers. .05

## HIBISCUS.

New Perennial Hibiscus. Crimson Eye. A robust grower with dark red stems and foliage. Flowers immense, often measuring 20 in. in circumference, pure white, with a large spot of deep velvety crimson in the center of each flower. .05

## GRASSES.

Grass, Ornamental. "Job's Tears." This well-known variety of tropical grass is so called from the appearance of its shiny, pearly fruit, which resembles a falling tear. Half hardy. .05

Grass, Quaking. A graceful shaking grass. .05

Grass, Pampas. The most stately and magnificent ornamental grass in cultivation, producing numerous, long silken plumes of flowers. .10

## GYPSOPHILA PANICULATA.

Remarkably hardy plants 1½ ft. high, growing well in any soil and flowering profusely in graceful sprays of fine white. Much esteemed for bouquets. .05



LEONARD'S  
MAMMOTH  
HOLLYHOCK.

## GOURDS.

Hen's Egg. For nest eggs; handy when darning stockings. .05

Hercules' Club. Grows 4 to 6 ft. in length. .05

Sugar Trough. For holding liquids. They will last years. .05

Double Bottle. .05

Dipper. Used as its name indicates. .05

Useful, Fancy and Ornamental. Mixed varieties. .05

Towel Gourd, or Luffa. Many ladies prefer a dish cloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.

## HELICHRYSUM.

Ornamental in the garden, and desirable for winter bouquets, as they retain their form and color for years, if gathered and dried when first open.

Helichrysum. "Fireball." Rich crimson-maroon. .05

Helichrysum. Yellow. .05

Helichrysum. Mixed. .05



## HELICHRYSUM.

## GODETIA.

Very attractive hardy annuals, about one foot high. Flowers of a beautiful satiny texture.

Finest Mixed .05



## HELIOTROPE.

## HELIOTROPE.

Well-known, deliciously fragrant plants, excellent for bedding purposes or pot culture.

Heliotrope Mixed. .10

Heliotrope, New Mammoth. Very sturdy and branching, producing immense umbels of light and deep violet flowers. The delicious perfume of this novelty far exceeds the well-known Giant sort. .15

## HOLLYHOCKS.

Seeds should be sown in June or July to have flowering plants the next summer; or, if sown in the house early in the spring, they will bloom the first year.

Hollyhocks, Chater's Improved Double. Mixed. .10

Hollyhocks, Snow White. .15 Rose. .15

Hollyhocks, Sulphur Yellow. .15 Purple. .15

Seed saved from one of the finest collections, and will produce very large double flowers of striking beauty.

Hollyhocks, Tall, Double. Mixed. .05

## HUMULUS.

Humulus Japonicus. (Japan Hop.) Of very rapid growth, with luxuriant foliage, making a dense covering; beautiful when planted singly; also suitable for covering trellises, etc. .05

Humulus, Variegatis. Leaves beautifully blotched and variegated with silvery white, yellowish green and dark green. .10

## ICE PLANT.

A singular looking, tender annual, with thick fleshy leaves that have the appearance of being covered with crystals of ice. .05

## IMPATIENS SULTANI. (Sultan's Balsams.)

A perennial balsam of compact growth, producing almost continuous charming bright, rose-colored flowers. .10



**IPOMEA.**

Very beautiful and popular climbers; deservedly so from the fine foliage and the brilliant and varied hues of its many flowers. Fine for covering old walls, stumps of trees, etc.

**LINUM.**

**Kochia Scoparia, or Summer Cypress. Burning Bush.** The plants are always of globe-like form, branching freely, the stems being covered with delicate light green foliage. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire. Very showy when planted singly to show the round ball-like form. Pkt., 5c.

**LANTANA.**

This showy greenhouse plant forms a small bush, covering itself with pink, yellow and orange flowers, and also flowers of changeable color. Start in the house. Fine varieties mixed. Pkt., 10c.

**ELDORADO.****LOVE-IN-A-MIST. (Nigella.)**

A curious plant about 1 foot high, with finely cut leaves and single flowers. .05

**LUPINS.**

**Lupins. Mixed.** Showy hardy plants from 2 to 3 feet high, producing spikes of attractive flowers. .05

**MARVEL OF PERU. (Mirabilis.)**

The old and well-known **Four O'Clock.** Fine plants, flowers various colors, making a fine summer hedge, set 1 foot apart. .05

**MARIGOLD. (Tagetes.)**

Extremely showy, 1 to 2 feet high, well adapted to garden culture, blooming profusely through the season.

**Marigold, French. ("Carter's Butterfly.")** A beautiful variety with alternate petals of velvety purple-brown and old gold. .05

**Marigold, Legion of Honor.** Plants about 8 inches high, blooming from July until frost. Flowers single, of a beautiful, rich, golden-yellow with large blotches of velvety-brown. .05

**Marigold, African. (El Dorado.)** (See Cut.) Flowers 3 inches in diameter, in all shades of yellow, lemon, primrose, gold and deep orange. .05

**Marigold, Calendula, Prince of Orange.** Flowers striped with an intense, glowing shade of orange. .05

**Marigold, Meteor, Large-flowered.** Flowers dark orange red, double, very large. .10

**Marigold, African.** The old-fashioned sort, greatly improved in size. .05

**Marigold, French** .05

**LOBELIA****LYCHNIS.****LOBELIA.**

Strikingly pretty, profuse blossoming plants; the delicate, drooping habit of the *Erinus* varieties renders them fine for hanging baskets, while the compact sorts, forming little mounds of blooms, are splendid for beds, edgings, etc.

**Lobelia *Erinus*. Mixed.** Blue, white, and blue and white marbled. .05

**Lobelia *Erinus*, Double. Mixed.** An acquisition. .10

**Lobelia *Compacta*. Crystal Palace. Dark Blue.** .10

**Lobelia *Cardinalis*. (Cardinal Flower.)** Hardy perennial with long spikes of brilliant scarlet flowers, unrivalled for permanent bed or border. .10

**Lobelia *Cardinalis Grandiflora*.** Flowers of brilliant scarlet twice as large as the common sort. Plants branch freely, and when in full bloom measure 4 ft. in height. .25

**LARKSPUR.**

Very beautiful; hardy annuals, producing dense spikes of flowers, which are very decorative, either in the garden or when cut for vases. Set 10 inches apart.

**Larkspur Stock-flowered.** Tall-branching, finest mixed. .05

**Larkspur, Emperor, Double. Finest Mixed.** Very beautiful variety, producing long spikes of flowers in the most delicate colors. .05

**Larkspur, Giant Hyacinth-flowered.** An improved type. .05

**Larkspur, Tall Rocket, Double, Mixed.** Plants large and showy. .05

**Larkspur, Dwarf Rocket, Double, Mixed.** .05

**Linaria, Royal Purple.** The nearest approach in general effect to Purple Heather. .10

**LINARIA.**

**Linaria. The Pearl.** The plants are completely covered with the beautiful white snapdragon-like blossoms almost hiding the foliage; fine for beds and borders. Cut flowers keep fresh in water for weeks. .15

**LINUM. (Flowering Flax.)**

**Linum *Grandiflorum* Coccineum.** One of the handsomest annuals ever introduced. For brilliancy of color and duration of bloom it is unsurpassed. Pkt., 5c.

**LYCHNIS.**

There are few plants that produce more brilliant-colored blossoms than *Lychnis*. The flowers are produced in clusters, and are constantly coming out all summer. Hardy perennials; one to three feet high.

**Chalcedonica. (London Pride.)** Bright scarlet; two feet high. Pkt., 5c.

**MARVEL OF PERU.**





MIGNONETTE MACHET.

**MORNING GLORY. (Convolvulus.)**

Climbing plants; unequaled for rapidity of growth and profusion of bloom, annuals attaining a height of 30 to 50 ft.

White. Oz., 10c.; pkt., 5c.

Red. Oz., 10c.; pkt., 5c.

Blue. Oz., 10c.; pkt., 5c.

Mixed. Oz., 5c.

Dwarf Morning Glory. All colors mixed. Oz., 10c.; pkt., 5c.

**GIANT IMPERIAL JAPANESE MORNING GLORIES.**

The flowers of these morning glories are double the size of the ordinary morning glory, running from 4 to 6 in. across. The vines are strong and robust, growing from 30 to 50 ft. high during the season. The leaves are heart-shaped. Some vines have dark green foliage, others have silvery leaves, or yellow. Some leaves are mottled dark green, white and gray. The chief beauty, however, is not their leaves or gigantic size, but the beautiful coloring of the large flowers. The colors, shading, and markings are numberless. Some flowers are deep, rich, and velvety, others are daintily tinted and shaded. The solid colors range through all the shades of red, from soft rose to crimson and maroon; from light to deep blue indigo and blackish purple; from snow white to cream and silver gray. Some are striped, starred, and spotted, or edged with the brightest contrasting colors. All colors, mixed. Oz., 10c.; pkt., 5c.



MOON FLOWER.

**MIGNONETTE.**

A general favorite on account of its delightful fragrance. Blooms throughout the season. Sow from middle of April to middle of June. Most fragrant on poor soil.

**Mignonette, Myles' Hybrid Spiral.** Plant dwarf and branching; flowers white, very fragrant, spikes 8 to 14 in. long. Fine for outdoor or pot culture. .05

**Mignonette, Orange Queen.** An ideal Mignonette. The growth is dwarf and compact, leaves thick and of a fine green. The enormous spikes are closely filled with large flowers of a beautiful orange color, very fragrant. .15

**Mignonette, Machet.** Plants dwarf and vigorous, of pyramidal growth, with broad spikes of very fragrant red flowers. Fine for pot culture and equally valuable for borders. Per oz., 75c. .10

**Mignonette, Allen's Defiance.** Spikes of remarkable size, and deliciously fragrant, much more so than any other variety, and they retain their grace and fragrance until every bud opens. .10

Sweet. .05

**MAURANDIA.**

A delicate free-flowering climber, for the conservatory or trellis work in the garden; also desirable for hanging baskets. Start early in pots, transplant when the weather becomes warm.

**Maurandia Barclayana.** Rich violet. .05

**Maurandia, Mixed.** Violet, white, rose and pink. .05

**MIMULUS. (Monkey Flower.)**

A half-hardy plant, of the easiest culture, about 9 in. high, producing a profusion of very pretty flowers. It is perennial in the greenhouse, and may be easily propagated by cuttings. Select a moist, rather shaded location.

**Mimulus, Cardinalis.** Scarlet. From California. 1 ft. .05

**Mimulus Moschatus.** (Musk Plant.) Much esteemed for its strong musk odor. .05

**MOURNING BRIDE. (Scabiosa.)**

A class of beautiful hardy annuals, from 1 to 2 ft. high; valuable for cutting, as they remain a long time in bloom and do not droop easily.

**Mourning Bride, Snow Ball.** Pure White. Very large and extremely double. .10

**Mourning Bride, Mixed.** .05

**Mourning Bride, Fiery Scarlet.** A new, beautiful, very large flowering variety of brilliant color. .05



GIANT IMPERIAL JAPANESE MORNING GLORIES.

**MOON FLOWER. (Ipomoea Grandiflora Alba.)**

This is one of the most vigorous of all the summer climbers. Will grow 30 to 40 ft. in a single season, and will be covered with its large, white flowers every evening and cloudy day. The hard, outer coat of the seed should be cut through with a sharp knife, care being taken not to cut any deeper than the hard shell, and the seed planted about one inch deep in moist soil in a box or pan and set in a warm place. If the soil be kept moist, germination will take place in ten days to two weeks. After the plants are up tend carefully and plant out doors in a sunny situation when danger from frost is past. Water freely throughout the summer. Rich soil tends to make the plant run to vines and leaves, while poor earth will produce earlier and more abundant flowers. This variety is also known as *Ipomoea Noctiflora*. Pkt., 10c.



# NASTURTIIUM.

## LEONARD'S OAK PARK BEDDING.

The illustration is a photograph of a spray of flowers grown from this exquisite blend of bedding nasturtiums. It is well adapted for ribbon beds or borders, and is strikingly effective in masses. This blend contains seed saved from the largest flowering, most beautiful and varied collection ever sent out. For summer flower beds nothing can surpass them; the plants form perfect mounds about one foot high by one foot across. Seed sown in the open ground in the spring will produce plants that commence blooming during early summer and continue until severe frosts. They are of the easiest possible culture, and are never troubled with insects.

Pkt., 5c.; Oz., 10c.; ½ lb., 25c.; ¼ lb., 40c.; lb., 75c., postpaid.

### DWARF OR TOM THUMB.

**Aurora.** Chrome yellow, the two lower petals blotched and veined carmine. Pkt., 5c.; oz., 10c.

**Beauty.** Golden orange, flamed scarlet. Pkt., 5c.; oz., 10c.

**Bronze Color.** Of a burnished coppery bronze. Pkt., 5c.; oz., 10c.

**Chameleon.** Not only are the flowers of various colors produced on the same plant, but these flowers are variously blotched, striped and bordered in rich contrasting shades. On one and the same plant are found self-colored flowers, others curiously stained and flushed on a clear ground, while others are broadly edged or banded with light or dark shades. Pkt., 5c.; oz., 10c.

**Cloth of Gold.** Golden yellow foliage, flowers scarlet. Pkt., 5c.; oz., 10c.

**Crystal Palace Gem.** Sulphur yellow, spotted maroon. Pkt., 5c.; oz., 10c.

**Golden King.** Grand flowers three inches across; deep golden yellow, maroon blotches. Pkt., 5c.; oz., 10c.

**Empress of India.** Brilliant crimson, dark foliage. Pkt., 5c.; oz., 10c.

**Princess Victoria Louise.** Cream white, spotted with deep scarlet; finely veined.

**Golden Yellow flowers on Golden Foliage.** Pkt., 5c.

**King of Tom Thumbs.** Crimson. Pkt., 5c.; oz., 10c.

**King Theodore.** Deep chocolate crimson, dark foliage. Pkt., 5c.; oz., 10c.

**Lady Bird.** Ground color is a rich golden yellow, each petal barred

with ruby crimson. Pkt., 5c.; oz., 10c.

**Lillie Schmidt.** Orange yellow, blotched with brown. Pkt., 5c.; oz., 10c.

**Pearl.** White. Pkt., 5c.; oz., 10c.

**Prince Henry.** Cream color, spotted scarlet and tipped with wine red. Pkt., 5c.; oz., 10c.

**Regalianum.** Violet ruby. Pkt., 5c.; oz., 10c.

**Rose.** Pkt., 5c.; oz., 10c.

**Ruby King.** Light ruby red. Pkt., 5c.; oz., 10c.

### NASTURTIIUM-OAK PARK COLLECTION

**Spotted.** Deep orange crimson blotches. Pkt., 5c.; oz., 10c.  
**TALL OR CLIMBING NASTURTIIUMS.**

**Dark Crimson.** Rich and velvety. Pkt., 5c.; oz., 10c.

**Edward Otto.** Flowers brownish lilac with a yellow spur. Pkt., 5c.; oz., 10c.

**Heinemanni.** Silky bronze chocolate. Pkt., 5c.; oz., 10c.

**Hemisphaericum.** Very showy, lemon yellow with crimson blotches. Pkt., 5c.; oz., 10c.

**King Theodore.** Velvety dark brown. Pkt., 5c.; oz., 10c.

**Nankeen.** Yellow. Pkt., 5c.; oz., 10c.

**Pearl.** The nearest approach to creamy white. Pkt., 5c.; oz., 10c.

**Regelianum.** Deep violet ruby. Pkt., 5c.; oz., 10c.

**Scarlet.** Intensely bright scarlet. Pkt., 5c.; oz., 10c.

**Sunlight.** Bright yellow. Pkt., 5c.; oz., 10c.

**Vesuvius.** Salmon rose, dark leaves. Pkt., 5c.; oz., 10c.

**Von Moltke.** Bluish pink. Pkt., 5c.; oz., 10c.

**Leonard's Special Mixture of Tall Nasturtiums,** per pkt., 5c.; oz., 10c.; 1-4 lb., 25c.; lb., 75c.

### CLIMBING NASTURTIIUM. (Madam Gunter's Hybrids.

The new Hybrids of Madam Gunter make a strong growth, climbing from five to six feet high, and are covered from spring to fall with large substantial flowers of the most brilliant shades. They are remarkable for their wide range of colors, embracing rose, pink, salmon, purple, velvety dark maroon, light yellow, and deep orange in self colors, as well as striped and blotched in the most fanciful manner. So ornamental is this new strain that it deserves a place in every garden, either for climbing or trailing from vases or over the ground. Pkt., 5c.



LOBB'S  
NASTUR-  
TIUM.

### LOBB'S CLIMBING NASTURTIIUMS. (Tropeolum Lobbianum).

They are as easily grown as the common Tall Nasturtium, which they far surpass in brilliancy of their flowers, in height, rapid growth and freedom of bloom. Also very desirable for winter blooming.

**Brilliant.** Deep scarlet. Pkt., 5c.; oz., 15c.

**Crystal Palace.** Very bright, orange, salmon flowers. Pkt., 5c.; oz., 15c.

**Spittire.** Bright, fiery scarlet. Pkt., 5c.; oz., 15c.

**Choice, mixed.** Pkt., 5c.; oz., 15c.





LEONARD'S GIANT BUTTERFLY.

Remember that, although our house is best known through its Vegetable Seed Specialties—we are also in the front rank for Flower Seeds. Ours is the largest garden seed business in Chicago. :: :: ::



GIANT FANCY STRIPED PANSY

## NICOTIANA.

A handsome genus of garden plants of the tobacco family, which are noted for the freedom and fragrance of their bloom. Half hardy annuals, 3 ft. high. Flowers white, salver shaped, having long, tubular corollas, and are of exquisite fragrance. Deserve a place in every garden.

Affinis. .... .05  
Sanderac. .... .05

## NOLANA.

Very pretty, trailing, hardy annuals, fine for rockwork, hanging baskets, or for bedding. Mixed colors. .... .05

## OXALIS.

A splendid class of plants, suitable for hanging pots or rustic baskets. Particularly adapted for the parlor, where they bloom in midwinter. Half-hardy.

Oxalis Rosea. Rose colored flowers; blooms abundantly. .... .05  
Oxalis Tropaeoides. Deed Yellow flowers; brown leaves. .... .05

## PANSIES.

Leonard's Special Strain of Giant Five-Spotted Pansy. Enormous size Pansies of rich, velvety texture. Every one is different and all are distinctly marked with rich and varied shades and colorings. These pansies are the most perfectly formed of any we have ever seen. Flowers are carried on good strong stems and are of good substance. Their robust growth makes them a general favorite. Every lover of pansies should try this strain. Pkt., 15c.

Leonard's Giant Prize Mixed Pansies. Largest prize varieties. Grand, rich, velvety colors. Pkt., 10c.

Leonard's Giant Butterfly. This strain is beautifully marked and blotched. Large, fine form and of endless colors. Pkt., 10c.

Giant Red. Bright coppery shades. Pkt., 10c.

Giant Mahogany. A velvety, reddish brown. Pkt., 10c.

Giant Uncle Tom. Finest black, deep jet; very velvety and large. Pkt., 10c.

Giant Lord Beaconsfield. Flowers deep purple violet, shading to white at the upper petals. Pkt., 10c.

Trimardeau Giant. The largest of all the pansies. The blossoms are simply enormous, perfect in form and run through all the varieties of colors, from the lightest shade to the darkest purple. Marked with three large blotches. Pkt., 10c.

Giant Odier. Handsome blossoms, being very large and perfect in form, with dark, deep velvety blotches, margined with an endless variety of colors; extra large and fine. Pkt., 10c.

Victoria. The best red pansy. It is a beautiful, rich deep red color throughout. Large, velvety and of fine form. Pkt., 10c.

Giant Brown. All shades of this color. Pkt., 10c.

Giant Blue. All shades of light and dark blue. Pkt., 10c.

Giant Yellow. From the lightest yellow to the deepest old gold. Pkt., 10c.

Giant Purple. Rich velvety. Pkt., 10c.

Giant Snow Queen. (Candidissima.) Very large, satiny, pure white. Fine for bouquets or cemetery use. Pkt., 10c.

Giant Emperor William. Large, handsome flowers, borne in great profusion well above foliage. Brilliant ultramarine blue, with a purple violet eye. Pkt., 10c.

Fine Mixed. A very good strain in a great variety of colors. Pkt., 5c.

Bugnot's Large Stained Parisian. Mixed Colors. This splendid new class produces flowers of immense size and of the most varied and attractive markings and colors, each petal bearing a blotch that almost entirely covers it, so as to resemble the Lady Washington Geranium. The plants are of sturdy habit, and the flowers are borne well above the leaves, showing them to the best advantage. This is the most striking and showing pansy introduced for years. Pkt., 15c.

**OUR WILD FLOWER GARDEN MIXTURE.** Comprises many varieties of beautiful, hardy, easy growing flowers that will produce a constant and varied bloom all summer. This mixture comprises Mignonette, Candytuft, Larkspurs, Poppies, Pinks, Asters, Foxgloves and many others that are equally as great favorites. Large pkt., 5c.; oz., 10c. :: :: :: ::





LEONARD'S GIANT FIVE-SPOTTED PANSY.

## PANSIES.—Continued.

**Giant Fancy Striped.** An infinite variety of beautiful colors, curiously striped and flamed. Our stock is very select. The plants are vigorous and compact in growth. Immense flowers of fine form and texture, rich and velvety. Pkt. 10c.

**Aurora.** Flowers large. Color pure white without blotches. Pkt., 10c.

**Mad. Perrett.** Edge of petal is frilled. The colors are of dark wine, pink and red, beautifully veined, and all with a white margin. Pkt., 10c.

**Cassier.** This is a very fine mixture of pansies marked with three or five blotches on rich backgrounds. The flowers are very large, round and borne on stiff stalks emerging from bushy compact plants. This mixture contains a great many red shades. Pkt., 10c.

**Peacock.** Very striking. Form and substance perfect. Upper petals beautiful ultramarine blue, resembling in shade the peacock feather. Lateral and lower petals are of a deep claret, margined white. Pkt., 10c.

**Masterpiece.** This strain comes nearer to the Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt., 10c.

Our Flower Seeds are the product of the best specialists in their respective classes. The mixtures contain the various colors blended in proper proportion.

We fully realize the importance of sending out only the best qualities of pansies. Our stocks are received from careful growers and are not surpassed either for quality or germination.

## PETUNIA.

For outdoor decoration or house culture, few plants are equal to this class. They commence to bloom early, and continue to flower through the summer. Give them a rich soil and a sunny place.

**Double Mixed, Large Flowering.** Flowers twice the size of the ordinary strain, and the most beautiful colors. Produce a larger per cent of double than most strains. Pkt., 25c.

**Single Large Flowering.** Mixed, all colors. Pkt., 10c.



LARGE FLOWERING DOUBLE PETUNIA.



PANSY—Masterpiece.

**Large-flowering, Fringed Superbissima Crimson.** The distinguishing characteristics of the Superbissima class of Petunias, is the large, delicately veined throat. This fine feature has now appeared among fringed varieties, adding quite a unique beauty which will delight all lovers of Petunias. .25

**Petunia, Hybrid Snowball.** A very dwarf variety, with beautiful, large, satiny-white flowers, covering the plant with bloom. .15

**Petunia, Large-flowering, yellow-throated. Mixed.** The flowers are of large size, of faultless form, with a broad and deep yellow throat, beautifully veined. .20

**Petunia, Superbissima Nigra.** Gorgeous dark-red flowers, with large, jet-black throat. .20

**Petunia, Double Rose Fringed.** About 35 per cent of the seedlings develop into neat bushes 4 to 6 inches high, bearing large double and very beautifully fringed flowers of brilliant rose. One of the most perfect double Petunias yet produced. .30

**Petunia, Large-flowering, Striped.** Flowers beautifully striped, variegated and spotted. Remarkable for rich colors and large size. .10

**Petunia, Fringed.** Satiny-white blotched with purple crimson. .15

**Petunia, Fringed and Veined.** Rose veined with black. .15

**Petunia, Fringed.** Largest flowered, mixed in great variety of colors. .15

**Petunia, Fine Mixed** .03

**Petunia, Giants of California.** Remarkably fine. Flowers very large, in every conceivable shade of crimson, white, violet, lavender, etc. .15

**Petunia, Howard's New Star.** Dark crimson maroon with rich velvety texture and clearly defined five-rayed star of blush white. Over 80 per cent of the plants from seed will produce the star markings. Others with veined and feathery markings on dark or light ground are not less beautiful. Remarkably free flowering, 2 packages for 25c. .15

## PYRETHRUM.

**Pyrethrum. Mixed.** Flowers, both single and double, in great variety of colors. Extremely showy, easy to grow, hardy, and invaluable for cutting. If cut down after flowering in June will flower again freely in September. .05

**Pyrethrum, Hybridum Roseum Grandiflorum.** Fine large Pyrethrum, flowers often reaching 4 inches in diameter; beautiful variations of color between light rose and deep carmine. .15



**POPPY.**

producing double and single flowers, which are like crinkled tissue paper, and of every imaginable poppy color, deepest red, terra cotta, salmon, soft and bright pink, pure white, gray, etc. Pkt., 5c.

**Finest Mixed.** All colors and varieties. Pkt., 5c.

**Snow Drift.** A grand variety. The large, pure white flowers are perfectly round and double. Pkt., 5c.

**Shirley.** The absence of black blood gives them their wonderful light, bright tissue paper-like appearance. The colors range from purest white, through pinks of all shades, to glowing scarlet, but a scarlet without black. Some are red with white edges, and others veined and streaked and flaked from the center toward the edges in the most charming con-

**PASSIFLORA (Passion Flowers).**

Magnificent twiners of unrivalled elegance and of commanding beauty. The foliage is graceful and attractive, and the flowers are truly gorgeous.

**Passiflora Coerulea.** The most beautiful and remarkable variety grown, producing rich, green foliage and sky blue flowers, followed in the autumn by a profusion of golden fruit. Pkt., 5c.

**POPPIES.**

Showy, large, brilliant colored flowers, growing freely in any garden soil. Produce a fine effect in clumps or beds.

**Golden Gate.** Recall to mind every color you have seen in poppies then imagine every conceivable combination of colors—striped, blotched, edged and bordered, on both single, semidouble and double flowers, and you will have but a faint idea of the wonderfully varied beauty of the new Golden Gate poppies. Pkt., 5c.

**Fayal.** The seed of these first came from the Fayal Islands. They are charming dwarf plants,

**PASSIFLORA.**

fusion. Mixed colors, extra fine strain. Pkt., 5c.

**The Mikado.** Of pure white and brilliant crimson scarlet. Large double flowers of quaint, artistic beauty, with petals deeply cut and fringed. Pkt., 5c.

**Fairy Blush.** The immense globular flowers are perfectly double, and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rosy cream. The foliage grows only twelve to fourteen inches in height, above which the flowers are borne on long stems. Pkt., 5c.

**Poppy Carnation Flowered.** Very fine, double fringed flowers, all colors. Pkt., 5c.

**DOUBLE ANNUAL PINKS.**

These flowers are without a superior among annual garden plants. Bloom continually all summer long, and are most beautiful and lasting cut flowers. Of easy culture and bloom the first year from seed. Very fragrant.

**Double Chinese Pinks.** Flowers large and double. This beautiful variety does well anywhere. Rich in color, of extraordinary size and substance. Pkt., 5c.

**Double Heddewegii.** Large flowers, beautiful rich colors, finely marked. Pkt., 5c.

**Double Diadem Pink.** Of dwarf, compact habit, of various tints of rose, maroon and purple; one of the best; with brilliant markings and dazzling colors. Pkt., 5c.

**Double Japan Pinks.** This is a strain superior to any we have previously had. The flowers are large, double, of the brightest colors, handsomely fringed and borne on long, stiff stems, making them one of the most useful flowers for bouquets. Pkt., 5c.

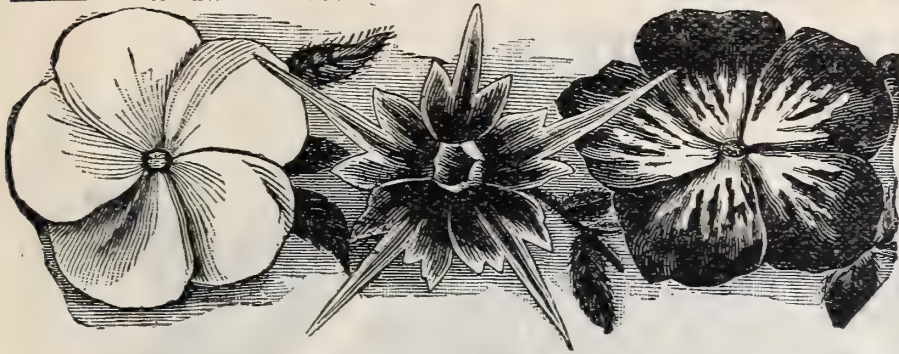
**Double Imperial Pink.** Mixed. Pkt., 5c.

**Eastern Queen.** Beautifully marbled; the broad bands of rich mauve upon the paler surface of the petals are very striking and pretty. Pkt., 5c.

**Crimson Belle.** Rich, vivid crimson-like color; flowers of extraordinary size and substance, evenly and finely lacinated. Pkt., 5c.

**Snow Queen Pink.** This is an extra fine selection of the large flowering double White Japan Pink, the very best strain we have ever seen. The flowers are extremely large, often three inches in diameter, and resemble a white carnation. They are produced in great abundance, and are borne on long, stiff stems, which, combined with their lasting qualities, render them one of the prettiest of white flowers. Pkt., 5c.





PHLOX DRUMMONI.

**NEW STAR PHLOX.** (*Cuspidata*.) (See Cut.)

The flowers with their long pointed petals and broad white margins, have a beautiful, star-like appearance. Many and wonderfully brilliant colors. .05

**HARDY PHLOX.** (*Phlox Decussata*.)

These rank among the finest herbaceous plants for beds and borders. Magnificent, large, waxy flowers of lovely shades of color. Strong bushes, two to three feet high. Pkt., 10c.

**PHYSALIS FRANCHETTI.** (*Chinese Lantern Plant*.)

A distinct variety attaining a height of 18 to 24 inches. Out of the pretty foliage appears the brilliant, orange-scarlet capsules, 2½ inches across, containing fruit like a cherry in shape and color. Popular as a fruit for preserving, and as an ornamental plant for the garden. Grown in pots, it makes a beautiful house plant. Pkt., 5c.

**PRIMULA.**

Beautiful low-growing, spring-flowering plants, for borders or pot culture. The flowers are borne in clusters on stalks 4 to 8 inches high. The English Primrose is perfectly hardy; other varieties should be protected over winter.

**Primula Sinensis.** (*Chinese Primrose*.) Splendid mixed. .15  
**Primula Vulgaris.** (*English Primrose*.) The old favorite yellow Primrose. .05  
**Primula Elatior.** Mixed. (*Polyanthus*.) Early blooming, for spring beds or pot culture. .10

**PERILLA.** (*Nankinensis Atropurpurea Laciniata*.)

Ornamental foliage plants similar to Coleus. Fine for bedding with silver-leaved plants. Foliage metallic bronze; same culture as for Coleus. Half hardy annual. Pkt., 5c.

**DWARF FAN PALM.** The most hardy and dwarf of its species, seldom attaining over eight or ten feet in height. Pkt., 10c.



DWARF FAN PALM.

**PHLOX DRUMMONDII.**

In this great variety of rich colors, probably the most brilliant of all annuals. Fine for bedding, making a dazzling show throughout the entire season.

**Phlox Drummondii.** Mixed Colors, per ¼ oz., 15c.; oz., 50c.; pkt., 5c.

**LARGE FLOWERING VARIETIES.**

Magnificent class. Flowers as large as those of the perennial Phloxes.

White . . . . .	.08	Yellow . . . . .	.08
Deep Purple . . . . .	.08	Large Flowering	
Bright Scarlet . . . . .	.08	Mixed . . . . .	.08

One package each of the four named varieties for 25c.

**DWARF VARIETIES.**

Fireball. Very brilliant . . . . .	.08
Snowball. Fine white . . . . .	.08
Heynholdi. Mixed. Fine for pot culture. . . . .	.05

**FIMBRIATA.**

Petals toothed, beautifully fringed and margined with white. Mixed. .10

**LARGE FLOWERING PHLOX.****PORTULACA.**

Sow early, in warm, light soil, and thin plants to 4 inches.

**Portulaca Single.** Mixed Per Pkt., 5c.  
**Portulaca, Large flowered.** Double. Pkt., 5c.

**RODANTHE.**

A beautiful and charming everlasting flower. The flowers when gathered as soon as opened, are very desirable for winter bouquets, retaining their brilliancy for months.

**Rodanthe Maculata.** Single. Mixed. . . . .05

**RICINUS.** (*Castor Oil Plant*.)

A highly ornamental, half-hardy annual, growing from 4 to 6 feet high, presenting quite a tropical appearance. Select warm, dry soil, and plant 6 feet apart.

**Ricinus.** *Zanzibariensis* (*Zanzibar Castor Beans*.) Very showy, with gigantic leaves, which range from brilliant coppery-bronze to light and dark green; the ribs also are of bright colors, making a beautiful contrast with the leaves. 15 seeds, 5c.



DOUBLE PORTULACA.



# SWEET PEAS.

ALL THE BEST VARIETIES.



## LIGHT PINK AND ROSE.

**Eliza Eckford.** Large flower; rosy pink over white. Delicate and very beautiful. Pkt. 5c.; oz., 10c.

**Katherine Tracy.** Considered the best pink. The

color is soft but brilliant in both wings and standards. Stands the hot sun better than any other pink. The long stiff stems make it especially fine for cutting. Pkt., 5c.; oz., 10c.

**Lady Beaconsfield.** Standards are salmon pink. Wings primrose yellow; large and handsomely formed. Pkt., 5c.; oz., 10c. **Lovely.** Soft shell pink; large flowers, often four on a stem. Pkt., 5c.; oz., 10c.

**Duchess of York.** White, suffused with a delicate pink. Pkt., 5c.; oz., 10c.

**Mrs. Sankey.** A very light pink which fades to white as the flower grows older. Pkt., 5c.; oz., 10c.

**Prima Donna.** A brilliant soft pink; Large and perfect flower. Pkt., 5c.; oz., 10c. **Ramona.** Creamy white ground, delicately striped and splashed pale pink. Pkt., 5c.; oz., 10c.

**Venus.** Lovely salmon; buff shaded, rosy pink. Pkt., 5c.; oz., 10c.

**Apple Blossom.** Bright rosy pink, beautifully blended; white. Pkt., 5c.; oz., 10c.

**Her Majesty.** Large Hooded flowers of a beautiful rose pink. Pkt., 5c.; oz., 10c.

**Lady Mary Currie.** A deep orange pink. Brilliant color. Pkt., 5c.; oz., 10c.

**Lady Penzance.** Standards orange-pink; wings, deep pure pink. Pkt., 5c.; oz., 10c.

**Ovid.** A rich rose color, overlaid with a darker shade. Pkt., 5c.; oz., 10c.

**Peach Blossoms.** A very large flower, having a warm yellowish pink standard, and wings of a lighter, softer shade. Pkt., 5c.; oz., 10c.

**Royal Robe.** Bright rose pink. Pkt., 5c.; oz., 10c.

**Royal Rose.** One of the largest and finest formed flowers yet introduced. Standard rose pink, wings a shade lighter. Pkt., 5c.; oz., 10c.

**Extra Early Blanche Ferry.** Two weeks earlier than any other sort. Wings are nearly white, while the standards are a deep rose pink. Hardy, vigorous and a dwarf grower. Pkt., 5c.; oz., 10c.

## CLARET.

**Duke of Clarence.** Deep rosy claret; large and of fine form. Pkt., 5c.; oz., 10c.

## WHITE.

**Blanche Burpee.** The finest white yet introduced. Flowers pure white; immense size. Profuse bloomer. Pkt., 5c.; oz., 10c.

**Emily Henderson.** Flowers large, pure satin white, on long stiff stems. Free and persistent bloomer. Pkt., 5c.; oz., 10c.

## MAROON.

**Black Knight.** The darkest shade of maroon. Pkt., 5c.; oz., 10c.

**Boreatton.** One of the darkest and richest colored satin-like maroon. Self-colored. Pkt., 5c.; oz., 10c.

**Monarch.** Standard, large, fine form of violet maroon. Wings expanded, very large, similar color, but having a bluish tint. Pkt., 5c.; oz., 10c.

**Stanley.** The darkest of all sweet peas. A fine, bold flower. Color a deep maroon. Pkt., 5c.; oz., 10c.

**Shahzada.** Rich, very dark maroon standard and deep violet wings. Pkt., 5c.; oz., 10c.

**Waverly.** The wings and standard are a beautiful blending, rose pink and lavender blue shades. Pkt., 5c.; oz., 10c.

## SCARLET.

**Brilliant.** Rich crimson scarlet. Stands the summer heat better than any other sort. Pkt., 5c.; oz., 10c.

**Firefly.** Intense scarlet. Of good size and form. Pkt. 5c.; oz., 10c.

**Invincible Scarlet.** Bright scarlet. Pkt., 5c.; oz., 10c.

**Princess Victoria.** Standard bright scarlet. Wings rosy mauve. Pkt., 5c.; oz., 10c.

## LAVENDER AND LIGHT BLUE.

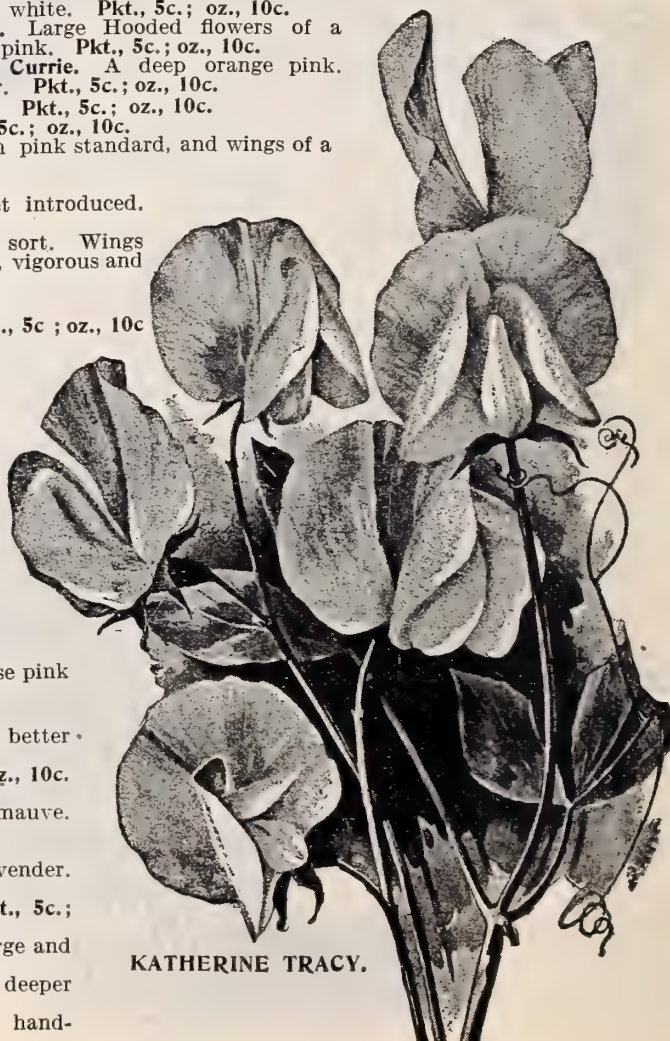
**Butterfly.** Standard a combination of shades of violet and lavender. Wings white shaded and edged blue. Pkt., 5c.; oz., 10c.

**Countess of Radnor.** A beautiful shade of lavender. Pkt., 5c.; oz., 10c.

**Dorothy Tennant.** Flowers warm violet or mauve. Very large and finely formed. Pkt., 5c.; oz., 10c.

**Lottie Eckford.** White, lightly suffused with blue. Wings deeper blue. Pkt., 5c.; oz., 10c.

**Maid of Honor.** White, edged with blue. Has a very handsome appearance. Pkt., 5c.; oz., 10c.



KATHERINE TRACY.



## SWEET PEAS.

BEST VARIETIES (Continued.)

## DARK BLUE AND PURPLE.

**Countess of Cadogan.** A very long stemmed variety bearing three and four flowers on each stem. A beautiful blue shade a little darker than navy blue. Pkt., 5c.; oz., 10c.

**Captain of the Blues.** Flowers large and expanded. Standard bright purple blue. Wings expanded and a lighter blue. Pkt., 5c.; oz., 10c.

**Indigo King.** Standard a very rich purple. Wings bluer than the standard. Pkt., 5c.; oz., 10c.

**Navy Blue.** A true blue, quite distinct in color. Pkt., 5c.; oz., 10c.

## CRIMSON.

**Mars.** Bright crimson. Large and gorgeous flowers. Pkt., 5c.; oz., 10c.

**Igneus.** Intense crimson, but does not stand the hot weather well. Pkt., 5c.; oz., 10c.

**Salopian.** One of the most brilliant sorts yet introduced. The flowers are of faultless form, large and a rich, brilliant cardinal red. Pkt., 5c.; oz., 10c.

## YELLOW.

**Coquette.** Standard shaded light blue on primrose ground. Wings clear primrose. Fine large flowers. Pkt., 5c.; oz., 10c.

**Mrs. Eckford.** A delicate primrose yellow. Flowers large, of good substance and perfect form. Pkt., 5c.; oz., 10c.

**Primrose.** A light primrose. Pkt., 5c.; oz., 10c.

**Stella Morse.** Large flowers of the finest form, and a peculiar warm salmon pink. Pkt., 5c.; oz., 10c.

**Golden Gleam.** The best of the yellows. Large and perfect. Pkt., 5c.; oz., 10c.



EMILY HENDERSON.

## STRIPED AND VARIEGATED.

**America.** The most brilliant of the red striped sorts. White ground, striped crimson scarlet. Large fine flower. Pkt., 5c.; oz., 10c.

**Aurora.** Standard and wings flaked and striped on a white ground with bright orange salmon. Pkt., 5c.; oz., 10c.

**Gray Friar.** White ground, marbled and dotted with heliotrope and purple. Pkt., 5c.; oz., 10c.

**Juanita.** White, with stripes and dashes of delicate lavender. Large and splendidly formed. Pkt., 5c.; oz., 10c.

**Mrs. Joseph Chamberlain.** Flowers are of fine form and large size, heavily flaked and striped with deep, clear rose. Pkt., 5c.; oz., 10c.

**Senator.** The finest dark striped flower. White ground, almost entirely covered with heavy stripes of brown and chocolate. Pkt., 5c.; oz., 10c.

**Columbia.** White ground, suffused purple and penciled pink. Pkt., 5c.; oz., 10c.

## BEST OF THE NEWEST SORTS.

**King Edward VII.** A true giant-flowered variety, with long strong stems and growth, with no inclination to burn in the sun. A fine variety, much brighter than either Mars or Salopian; in fact, the best dark red in existence. It is one of Eckford's finest sweet peas. Pkt., 5c.

**Gladys Unwin.** Has a very large and bold flower, not hooded, but with a very striking upright crinkled or wavy standard and broad wings. Color, a pale rosy pink. A striking feature is that about 75 per cent of the long flower stems are with four blooms, which is a most unusual thing in sweet peas. Pkt., 5c.

**Helen Lewis.** This is a selection from Countess Spencer, with the same large flowers and wavy standards; in colors a brilliant orange-rose, eclipsing all other of this shade. Pkt., 10c.

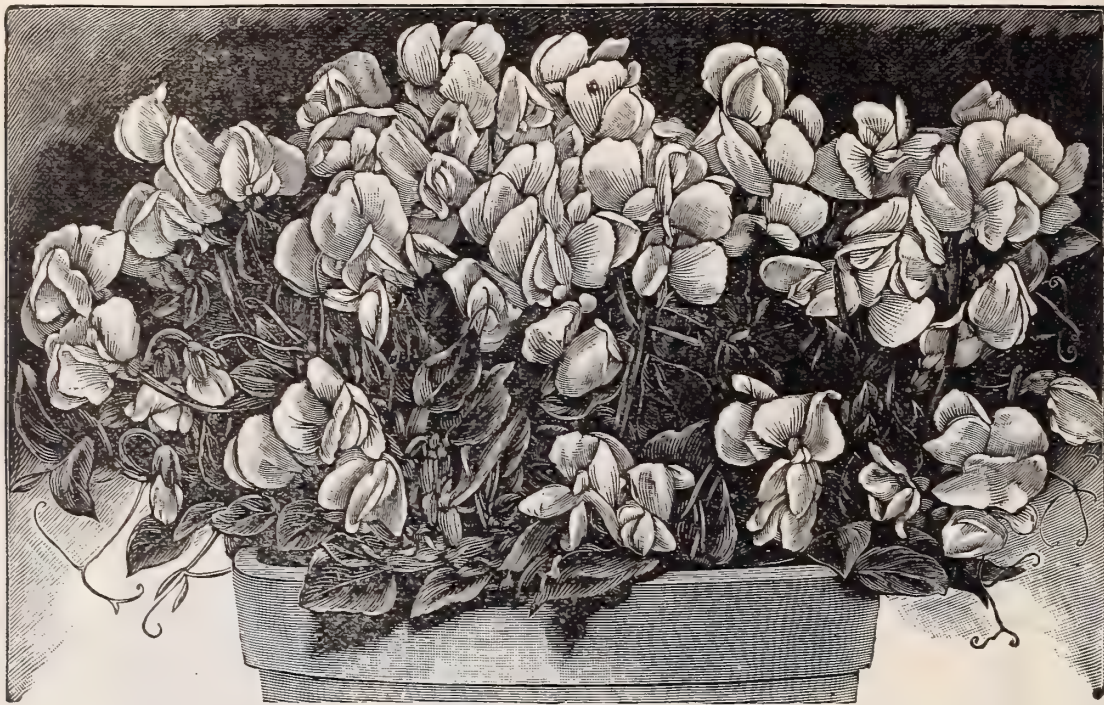
**Evelyn Byatt.** The richest sweet pea yet introduced. It may be termed a self gorgeous, having a rich orange-salmon standard, with falls or wings of a trifle deeper color, giving a rich fiery orange or deep sunset color to the whole flower, very striking and unique. Pkt., 10c.

**Janet Scott.** Received award of merit at the great London Show of The National Sweet Pea Society in 1904. The unusual size of the wings, in connection with the large substantial hooded standard, give the flowers an appearance of enormous size. The flowers are rich pink, deeper and richer than Katherine Tracy, and are generally borne three on a stem. Pkt., 5c.; oz., 10c.; 2 ozs. 15c.; ½ lb., 25c.; lb., 75c.

**Countess Spencer.** Here we have a new and distinct type and form in Sweet Peas. The flower stems are unusually long and the flowers are so set on the stem that there is a graceful fluffiness to a bunch of them in distinct contrast to the ordinary kinds of Sweet Peas. So far but a few colors have developed in this type, and some of these sport or change more or less in flowering. The wings and standards of the flowers are very large, and its graceful form with the immense size make it certain to supersede all older kinds of Sweet Peas, as fast as standard colors appear and become fixed. In our mixture of this new class will be found deep pink, light pink, orange pink, white with pink edging. Every lover of Sweet Peas should plant our Countess of Spencer Mixture. Pkt., 10c.; oz., 20c.; 2 ozs., 30c.; ½ lb., 50c.







CUPID SWEET PEAS.

**Alice Eckford Cupid.** Creamy pink standard; wings white flushed pink.

**America Cupid.** Striped blood red and white.

**Apple Blossom Cupid.** A charming combination of pink and white.

**Beauty Cupid.** Delicate rose color shading to white, suffused rosy carmine.

**Blanche Ferry Cupid.** Standard bright rose pink, wings bluish-white.

**Blue Cupid.** Violet purple approaching blue.

**Boreatton Cupid.** Rich maroon color, with darker veinings.

**Chamberlain Cupid.** Giant flowers, striped pink on white.

**Countess of Radnor Cupid.** Beautiful lavender flowers of large size.

**Firefly Cupid.** Of dazzling scarlet effect, literally covered with blooms.

**Her Majesty Cupid.** Deep rosy crimson.

**Lottie Eckford Cupid.** White shaded lavender, edged purple.

**Primrose Cupid.** Creamy yellow flowers.

**Royalty Cupid.** A deep rose-pink self.

**Stella Morse Cupid.** Creamy buff and apricot, shaded rosy carmine.

**White Cupid.** Pure white flowers.

Prices for any of above-named Cupid Sweet Peas, Per pkt., 5c.; per oz., 10c.

## NEW BUSH SWEET PEAS.

Bush Sweet Peas are quite attractive if planted as a hedge, allowing about six inches for each plant. The flowers are usually borne on the top of the plant, so when it is in full bloom it is a mass of flower. They will not grow on a trellis, as they do not climb, and are only useful in the hedge effect described or for large vase decorations, when the whole plant should be used.

**Blanche Burpee, Bush.** Large white flowers.

**Blanche Ferry, Bush.** Pink and white.

**Gray Friar, Bush.** Watered purple on white.

**Her Majesty, Bush.** Deep carmine-rose.

**Monarch, Bush.** Maroon and purple.

**Prima Donna, Bush.** Soft pink.

**Senator, Bush.** Striped, white, maroon and purple.

**Stella Morse, Bush.** Cream, pink and apricot.

Price for any of the above named Bush Sweet Peas, Per pkt., 5c.; per oz., 15c., or the collection pkt., each of eight for 30c.

**Bush Sweet Peas. Mixed Colors,** including many varieties. pkt., 5c.; per oz., 10c.; per ½ lb., 15c.; per lb., 60c.

## DOUBLE FLOWERING SWEET PEAS.

**Double Apple Blossom.** Rose and blush.

**Double Boreatton.** Deep maroon.

**Double Butterfly.** White, lavender and blue.

**Double Captain of the Blues.** Blue.

**Double Duke of Clarence.** Plum-claret.

**Double Lottie Eckford.** White and mauve.

**Double Splendor.** Rosy crimson.

**Double Senator.** Striped blue, white and chocolate.

**Double White.** Pure white.

**Double Mixed Colors.**

Prices for any of above Double Sweet Peas, Per pkt., 5c.; per oz., 10c.; or the collection, one pkt. each of the above nine varieties, 35c.

## SPECIAL MIXTURES SWEET PEAS.

**Leonard's Choicest Mixed.**

**Leonard's Florist's Mixed.**

**Leonard's Named Sorts Mixed.**

Either of the above splendid mixtures, Per oz. 5c.; ½ lb. 15c.; lb., 50c., Postpaid. 5 lb. or more, by Express 40c. to lb.

**Choice Mixed.** This is grown in mixture of many old and new varieties. Per pkt. 5c.; oz. 10c.; ½ lb. 15c.; per lb. 40c., postpaid. By express, 30c. per lb.

**Bush Varieties Mixed,** pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb., 50c.

**Cupid Sorts Mixed,** pkt. 5c.; oz. 10c.; ½ lb. 15c.; lb. 50c.

**Double Choice Mixed,** pkt. 5c.; oz. 10c.; ½ lb. 15c.; lb. 50c.







STOCKS.



SCABIOSA.



SALPIGLOSSIS.

**SALPIGLOSSIS, NEW EMPEROR.**

This new variety forms only one leading stem which bears on its summit a bouquet of the most beautiful flowers, every one of them richly veined with gold, and much larger even than those of the grandiflora type. .10

**SALPIGLOSSIS GRANDIFLORA.**

Flowers 2 to 3 inches in diameter, vividly marked, spotted and striped on ground colors of deep blue, rose, violet, yellow, reddish bronze, purple, etc. In rich coloring they vie with Orchids in mixed colors. .05

**SALVIA.**

Very ornamental plants, 2 feet high, producing tall spikes of gay flowers. Sow early in hotbed, or in pots in the house, and transplant 2 feet apart. Half hardy. .05  
*Salvia Coccinea.* Splendid Scarlet.  
*Salvia Bonfire.* Fine for bedding; grows about 2½ feet high, forming handsome globular bushes, producing long spikes of brilliant, dazzling scarlet flowers. Blooms the first year. .10  
 Mixed. All colors. Pkt., 5c.

A hedge of Salvias is a beautiful sight to behold. They are a blaze of color during the whole Summer and Fall.

25 CENTS worth extra given to all customers sending \$1.00 for seeds in packets or by the Ounce.

**STOCKS.**

Half-hardy annuals, producing splendid spikes of very rich and beautiful flowers of delightful fragrance. For early flowering sow early in spring in pots or in hotbed, and transplant one foot apart. Bloom from June until November.

*Stocks, Princess Alice.* Snow white. This variety, also known as "Cut and Come Again," and "White Perfection," grows about 2 feet high, is of very branching habit, and produces in great abundance very large, beautiful, pure white flowers, which are replaced as they are cut. .10

*Stocks, Victoria, Ten Weeks.* (Deep blood-red.) Every plant forms a perfect pyramidal-shaped bouquet, covered with beautiful, bright, fine double flowers. .10  
*Stocks, Dwarf, German.* Finest Mixed. .05  
*Stocks, Ten Weeks.* Double. Mixed. .05  
*Stocks, Dwarf.* Large-flowering. Finest Mixed. Very Double. One of the finest stocks in cultivation. .10

**SNAPDRAGON. (Antirrhinum.)**

An old garden favorite of easiest culture; very showy, flowering the first season from seed, yielding an abundance of fine flowers for cutting. .05  
*Snapdragon.* Tall. Mixed.

*Snapdragon, Majus Grandiflorum.* Mixed. A new strain with very large flowers. We offer splendid mixture, containing great variety of rare and remarkable shades not hitherto seen in the old collections. .10



SWEET WILLIAM.

**SANVITALIA.**

Beautiful dwarf-growing plants densely covered with perfectly double golden flowers, of great value for beds and borders. .05

**SCHIZANTHUS. (Poor Man's Orchid.)**

*Schizanthus.* Dwarf, large-flowering plants, grow about 12 inches in height, literally covered with large, beautiful orchid-like flowers, which are exquisitely marked and range in all shades from white to pink and blue, spotted with red, yellow and brown, mixed. .15

**SILENE. (Catchfly.)**

Hardy plants flowering in great profusion throughout the summer. The Annual Silenes can be specially recommended for autumn sowing, as they will then produce a most effective show in the spring garden.

*Silene Mixed.* .05  
*Silene Bijou.* Flowers extra double, of a brilliant salmon rose. .15  
*Silene, Asterias Grandiflora.* Hardy perennial variety, bearing in great profusion upright flower stalks, each carrying a large globular head of crimson scarlet flowers. .15

**SMILAX.**

No climbing plant surpasses this in beauty and grace of foliage. Extensively used for bouquet and floral decorations. .05

**STOKESIA CYANEA. (Cornflower Aster.)**

A rare and beautiful hardy perennial. The plant grows about 2 feet high, bearing from 20 to 30 handsome lavender-blue cornflower-like blossoms. In bloom from July till frost. 2 pkgs., 25c. .15

**SWAN RIVER DAISY. (Brachycone.)**

Very pretty, free-flowering, dwarf-growing annuals, well adapted to edgings, rustic baskets or pot culture. .10  
 Any six five-cent packets for 25 cents  
 Any three ten-cent packets for 25 cents.

**SWEET WILLIAM.**

Well-known, beautiful, hardy perennials, about 1 foot high, making a most splendid appearance in May and June. .05  
*Sweet William, Single.* .05  
*Sweet William, Double Mixed.* .10  
*Sweet William, Auricular Eyed.* .05

*Sweet William Holburn Glory.* A new magnificent strain with extra large flowers, the single blooms being larger than a 25 cent piece. This variety took the first prize at the Mass. Hort. Soc. the past season. Mixed colors. .15

**SUNFLOWERS.**

Valuable as a screen to hide unsightly places, and as a background for lawns. Hardy annual.

*Double Chrysanthemum Flowered.* A tall plant, growing seven feet high and blooming profusely all summer. Flowers are double, large, round, golden yellow, and resemble chrysanthemums. Pkt., 5c.

*Globosus Fistulosus.* Produces very large, exceedingly double flowers of bright yellow color. Plants about five feet high. Pkt., 5c.

*Large Russian.* A strong growing, single variety, about six feet high. The stalks are sometimes used for fuel. Pkt., 5c.; lb., 20c.





WALLFLOWER.

## VERBENA.

**Mammoth Verbena.** Obtained by selection of the largest and most striking flowers. Our strain is very fine. All colors mixed. Pkt., 10c.

**Mammoth White.** Large, very fine. Pkt., 10c.

**Scarlet.** Very brilliant. Pkt., 10c.

**Striped Varieties.** Pkt., 10c.

**Blue Varieties.** Pkt., 10c.

**Red Varieties.** Pkt., 10c.

**Defiance.** Very brilliant scarlet. Very fine bedding variety. Pkt., 10c.

**Fine Mixed.** All colors. Pkt., 5c.

## VINCA.

Ornamental free flowering plants. If sown early will bloom the first season.

**Mixed.** All colors. Pkt., 5c.

VIOLET. (*Viola Odorata*.)

Well known early spring blooming, fragrant flowers.

**Single Blue.** Very sweet scented blue flowers. Pkt., 5c.

## WALLFLOWER.

Well-known half hardy perennials, blooming early in the spring and much prized for the delicious fragrance of their flowers. Should be protected in winter.

**Wallflower, Single, Mixed.** ..... .05

**Wallflower, Double, Mixed.** ..... .10

**Wallflower, Early, Single Annual.** Sown in March in pots or hot-beds, will bloom from June until late autumn. Flowers of a beautiful orange-red and very fragrant... .05



WHITLAVIA.

## WHITLAVIA.

A pretty plant, with delicate foliage and blue and white bell-shaped flowers. Mixed, All Colors. Pkt., 5c.

## XERANTHEMUM.

Pretty, free flowering, everlasting. Xeranthemum, Mixed. Pkt., 5c.; oz., 10c.



XERANTHEMUM.

## Blatchford's Plant Grower The Florists' Favorite Fertilizer.

**FOR GREENHOUSES—FOR BENCHES—**In the proportion of fifty pounds well mixed with a sufficient quantity of good, loamy, friable soil to fill a bench five inches deep, five feet wide and 100 feet long. This produces a quick vigorous growth of plants that is astonishing to those Florists who have never used a readily soluble Fertilizer.

**FOR POTTING PLANTS—**A six inch flower pot full of Blatchford's Plant Grower and Land Renovator to about a bushel of good soil is the correct proportion. This gives each plant a sufficient quantity of food for rapid growth and development.

For Roses, Carnations, Salvia, Lilies, Mums it has never been surpassed.

As a liquid Fertilizer of surpassing excellence 2 table-spoonfuls thoroughly mixed in 1 gallon water once a week on vegetable and flower garden. Try it.

Blatchford's Plant Grower and Land Renovator is the Genuine Florist's Fertilizer. Prices:

**100-lb. Bag \$3.00 20-lb. Bag \$1.00 10-lb. 50c**



ZINNIA.

ZINNIA. (*Youth and Old Age*.)

Splendid hardy annuals; succeeding well in any soil, and making a brilliant show. The same flowers will retain their beauty for weeks and a profusion will be produced until frost.

**Zinnia, Elegans Grandiflora Plenissima.** (New Giant Zinnia.) Extremely double, globe-shaped flowers, 5 inches in diameter, of striking and brilliant colors. . . .05

**Zinnia, Grandiflora Plenissima Striped.** Very showy and beautiful. . . .05

**Zinnia, Double Giant, "Queen Victoria."** Pure white, very double flower of beautiful shape. . . .10

**Zinnia, Tall.** Finest varieties double mixed. . . .05

**Zinnia, Dwarf, Double White.** Very desirable for its regularity of growth and beautifully shaped flowers. . .05

**Zinnia, Dwarf Double, Jacqueminot.** Rich deep crimson scarlet. . . .10

**Zinnia, Double Lilliput.** Mixed. Very compact, forming thickly branching little plants about a foot and a half high, which fairly bristle with very double flowers

of every shade and color, and hardly exceeding a large daisy in size. . . .05

**Zinnia, Lorenz's Miniature.** The smallest Zinnia in existence, growing only about 4 inches high. The mixture we offer contains the following colors: white, scarlet, crimson, purple, dark rose and yellow. . . .10

## MIXED FLOWER SEEDS FOR WILD GARDENS.

A splendid mixture of beautiful, free-blooming, hardy flowers, which can be offered at a much less price than when sold in separate packages. Those who cannot give the constant care necessary for finely-arranged flower beds, will find the "Wild Garden" a delightful substitute, with its constant and ever-varying bloom. Such a flower bed is a continual surprise and pleasure, as new varieties and the old garden favorites flower successively throughout the season. Thin out where plants are crowded and keep clear of weeds. Price, per  $\frac{1}{2}$  oz., 20c.; Pkt., 5c.



# SUMMER FLOWERING BULBS



MAY

## GLADIOLUS.

The bulbs we offer are grown in the Michigan peach belt on the eastern shore of old Lake Michigan, in a climate exceptionally good for all semi-tropical plants. The peach grows to perfection, and the American flowering bulbs follow in their wake. They are put up in packages and properly labeled with cultural directions, so that any person can grow them by exercising ordinary care.

## GLADIOLUS GANDAVENSIS.

**May.** For general good qualities, and reasonable in price, we put May at the head; large pure white flowers splashed with bright crimson; strong stems. 5c.; doz., 50c.

**Madam Monaret.** Delicate rose pink. Each, 5c.; doz.,

40c.  
**Brenchleyensis.** Solid dazzling scarlet. 4c.; doz., 30c.

**Augusta.** Fine white, purple blotch. Each, 6c.; doz., 60c.

**Ceres.** White, spotted with purplish rose.

**Snow White.** Best white on the market. Each, 20c.

**"1900."** Vivid scarlet, white blotch. Each, 6c.; doz., 60c.

## GLADIOLUS MIXTURES.

**Leaflet Park Collection.** Contains the best of the past year's collections, excepting the Hybrids. A good many seedlings have been mixed with these and it is a popular strain. Each, 3c.; doz., 30c.; postpaid; 100, \$2.00.

**Regular Mixed Stock.** The best cheap collection of Gladiolus, and contains an endless variety. No. 1 Bulbs, doz., 25c., postpaid; 100, \$1.25, by express.

## LEMOINE, OR BUTTERFLY GLADIOLUS.

This is one of the best strains and contains a great variety of color. The blotches resemble the butterfly. Each, 4c.; doz., 35c.; 100, \$2.00.



MRS BEECHER.

## THE CHILDSI STRAIN.

The greatest improvement in Modern Gladioli. It is difficult to describe flowers of such varied and peculiar beauty, but they are the progenitors of all the modern fancy Gladioli.

**Nezinscott.** Bright scarlet, white mottled throat, 8c.

**Henry Gillman.** Fine scarlet, white rib. 5c.; doz., 40c.

**Mrs. Beecher.** Deep rosy crimson, white throat. 7c.

**Wm. Falconer.** Large clear pink, white band. 7c.

**Oriflame.** Dense scarlet. 5c.; doz., 50c.

**Fine Mixed Childsi.** Each, 6c.; doz., 50c.; 100, \$4.00.



PARK HYBRIDS.

## Thompson's Park Hybrids.

The Cream of the Gladiolus. From the little flower stalk 8 and 10 inches long and flowers a little over 2 inches in diameter, flowers are produced 5 and 6 inches in diameter and flower stalks 20 inches to 2 feet long and standing 4 feet high. The acme of success shows in our best Park Hybrids, and every shade from white to dark purple, striped, blotched and mottled can here be found. Beautiful as an Orchid and with as exquisite shadings. One hundred of these beautiful Gladioli will furnish lasting enjoyment. Each, 7c. doz., 65c.; 100, \$4.50.

THE GLADIOLUS FAMILY contains hundreds of magnificent varieties, comprising all imaginable colors, shades and variations, from the most gorgeous and dazzling to the softest and most delicate tints. They deserve to be grown in every garden. For cutting they are invaluable, the flowers lasting in water a week. They are of easy culture, grow in any garden soil, never fail to flower the same season, and by successive plantings every two or three weeks, from April to June, can be had in flower from July until checked by frost. The bulbs are easily kept in a paper bag on any convenient shelf until planting time.



# SUMMER FLOWERING BULBS.



STANDARD BEARER, BRILLIANT SCARLET.



JOHN H. ROACH, LEMON YELLOW.

## DAHLIAS.

The bulbs we offer are grown in the Michigan peach belt on the eastern shore of old Lake Michigan in a climate exceptionally good for all semi-tropical plants. The peach grows to perfection and the American flowering bulbs follow in their wake.

### BEAUTIFUL NEW CACTUS DAHLIAS.

**Kreimhilde.** New German variety, white, pink center. 25c.

**Capstan.** Red and apricot shades; blooms for everybody.

**Bertha Manley.** Scarlet shading dark; broad petals.

**John H. Roach.** Desirable clear lemon yellow. See cut.

**Matchless.** Bright crimson shaded velvety maroon. 20c.

**Standard Bearer.** A bright scarlet; rolled petals. 20c.

**Cyclops.** Light crimson; large full flower.

**Calipso.** Scarlet dwarf; good to grow in limited space.

**Bowery Girl.** Strong growing scarlet; a free bloomer.

**Prince Alexander.** A 6-inch scarlet; petals twisted; a grand flower.

Prices, except noted otherwise, Each, 15c.; doz., \$1.50.

### DAHLIAS—FANCY AND VARIEGATED.

**Admiration.** Center of quilled petals, yellow, tipped red.

**Fern Leaved Beauty.** White and crimson striped fernleaf.

**Bird of Passage.** Bright red, petals, yellow center ball.

**Tiger Pink.** Varied shades of red, yellow center, dwarf.

**Emily Edwards.** Immense flower, white suffused lavender. 20c.

Prices, except where noted otherwise, each, 15c.; doz., \$1.50.

### THE LATEST NOVELTIES.

**Kreimhilde.** (Cactus.) A delicate combination of shell pink and white, with twisted petals. 20c.

**Mrs. Roosevelt.** Immense flower, 6 inches; perfect; a delicate silvery rose. 25c.

**Countess of Lonsdale.** (Cactus.) A peculiar blending of salmon pink and amber; strong grower; 6-inch flower; very desirable. 25c.

**Amos Perry.** (Cactus.) A beautiful velvety crimson; new English variety. 40c.

**Winsome.** (Cactus.) A fine creamy white that pleases everyone. 25c.

**Blue Bell.** (Thompson.) A delicate blue and purple pom-pone. 50c.

**Twentieth Century.** (Single.) The one that has taken the East by storm; white with purple bluish. 20c.

### DAHLIAS—POMPONE.

**Beauty Inconstant.** White and yellow; varies.

**Eleganta.** Light pink tipped darker shade.

**Guiding Star.** White; blooms freely.

**Snow Clad.** The best pom-pone; free blooming; medium.

**Lottie and Julia.** Scarlet; long stems.

**Brick Top.** Dazzling scarlet; the best of its kind.

### CHOICE SINGLE DAHLIAS.

**Sunset.** Yellow, salmon and old gold, beautifully blended; very large flower. 20c.

**Wildfire.** Brilliant scarlet; free bloomer. 20c.

**Yellow.** white, scarlet, red and variegated. 15c.



WHITE DOVE.

After some years of comparative neglect, the Dahlia has again won its way into popular favor. This is due in a great measure to the wonderful improvement in the flowers, particularly in the "Cactus" and "Decorative" types. These grand flowers are so artistic and informal that the old prejudice against the Dahlia has been swept away. The Dahlia shows throughout the country the past season have rivalled the Chrysanthemum in interest. At Newport and elsewhere the fashionable residents set the seal of approval of the most critical upon them. There are no other summer flowers which produce such a wealth of color or variety of shades, none which equal them for wealth and brilliancy.



# SUMMER FLOWERING BULBS.



ARABELLA.

## DAHLIAS—Show.

**A. D. Livoni.** Beautiful pure quilled pink and free bloomer.

**Arabella.** Delicate primrose tipped lavender, canary shade.

**Miss May Lomas.** White shaded soft lavender in center.

**Miss Dodd.** Large, perfect flower, quilled, bright yellow.

**Red Head.** Grand double, deep red, dwarf; desirable.

**Snow.** Fine large white; profuse bloomer.

**White Dove.** Pure white, medium growth, partly quilled.

**May Eustice.** Deep scarlet, with white petals stuck in anywhere; a flower that will please and attract.

**Dwarf Scarlet.** But a bright scarlet ball that is fine.

**Mrs. Slack.** White, petals quilled with light yellow center.

**Dawn of Day.** Deep yellow shaded red; strong grower.

**Wm. Fawcett.** Long stems, large, quilled, yellow, red tip.

**Kirtland.** Immense dark purple; 6-inch. 20c.

**Rev. J. B. McCallum.** Dark, purple, almost black; 4-inch.

**Robin Adair.** Reddish bronze, darker center, medium.

**Prince Bismark.** Fine double magenta ball.

Prices, except where noted otherwise. each, 15c. doz., \$1.50.

## DAHLIA COLLECTIONS.

For the purpose of placing our Dahlias in the hands of the amateur grower, collections of the named varieties will be sent at the following rates:

Collection of 15 varieties, \$1.50.

Collection of 50 varieties, 4.50.

## DAHLIAS—Separate Colors.

Yellow, red, white, variegated, scarlet and bronze Dahlias, under color, at 12½c.; per doz., \$1.00.

## MIXED DAHLIAS.

We have a large lot of Mixed Dahlias, all good which, will be sold very low. Each, 10c.; doz., 75c.

## DAHLIAS.

### Decorative.

**Clifford W. Bruton.** Immense canary yellow, fine, 6-inch.

**Grand Duke Alexis.** White, quilled, slight shade of lavender; one of the finest in cultivation. 20c.

**Nymphæ.** The most delicate shrimp pink; called the Water Lily Dahlia; should be in every collection.

**Wm. Agnew.** The grandest red in cultivation; large, perfect.

**Zulu.** Called the Black Dahlia. Purple center, outer petals almost black; later blooming and very desirable.

**Pearl 'de Or.** Fine white; petals large, notched.

**Miss Thatcher.** The best yellow for everybody to grow.

**Frank L. Bassett.** The only real blue Dahlia. 20c.

**Cim.** Color of Nymphæ but on longer stems; free bloomer.

**Crushed Strawberry.** A peculiar apricot and reddish shade.

**Mrs. Hawkins.** Cream yellow center, pink outer petals.

Prices, except where noted otherwise, each, 15c.; doz., \$1.50

### POMPON DAHLIAS.

This class of Dahlias is fine for cut flowers, as they bloom more freely than the large flowered sorts. Each, 15c.

**Elfin.** A dainty pompon variety; color pale primrose changing to white.

**Eleganta.** A lovely bright pink, flowers of perfect form with beautiful quilled petals.

**Guiding Star.** A great favorite. Pure snow white, perfectly double. Fine for bouquets.

**La Petite Barbara.** A beautiful quilled pure white flower; free bloomer.

**Snow Clad.** The finest white pompon. A dwarf grower and very early; fine for bedding.



COLLECTION OF DAHLIAS.



# SUMMER FLOWERING BULBS.

## TUBEROSES.

Pure white, waxy flowers. Extremely fragrant. We select our bulbs with great care, and customers will find they will grow larger, finer and more double tuberoses from our stock than any other. Only large, fine, double blooming bulbs will be sent.

**Tall, Double.** 3 to 5 feet high, strong and free blooming. Prepaid, per one-half doz., 20c.; per doz., 35c.

**Double Pearl.** Larger, better and more flowers produced by this sort than the old variety. Stems short; from 2 to 3 feet high. Prepaid, per one-half doz., 20c.; per doz., 35c.

**Excelsior Pearl.** An improvement on the ordinary pearl; produces very heavy spikes of large double flowers. Prepaid, Each, 5c.; per doz., 50c.

**Armstrong's Ever-Blooming.** This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut flower and should be in everyone's garden. Each, 7c.; 4 for 25c.; doz., 60c., postpaid.

All Flower Seeds and Summer Flowering Bulbs sent free by mail at Catalogue prices.

## HYACINTHUS CANDICANS.

The flowers are bell-shaped and pendulous, pure white in color and somewhat fragrant. The plant is hardy and grows stronger each year. Very useful along walls, fences and in beds. Each, 6c.; 3 for 15c.; doz., 60c., postpaid.

**CALADIUM ESCULENTUM.** (Elephant's Ear.) One of the most beautiful and striking of the ornamental-foliaged plants in cultivation. When of full-grown size, it stands about 5 feet high, with immense leaves, measuring 4 feet in length by 2½ feet in breadth; smooth, light green color, beautifully veined and variegated. Large roots, each, 25c.; small size, each, 15c.

## \* AMARYLLIS.

**Formosissima.** One of the finest of the Amaryllis family, having beautiful dark scarlet flowers, strangely marked. If planted outdoors after danger of frost is over it will flower during the summer, and can then be lifted in early fall and carried over the winter like the Gladiolus. Large Bulbs, each, 10c.; 3 for 25c.; doz., 90c.

**Johnsonii.** The old favorite and almost too well known to need description. The immense trumpet-shaped flowers, which measure 6 to 8 inches across are borne on strong, fleshy flower spikes and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. Large Bulbs, each, 30c.; 3 for 85c.;

## ISMENE CALATHINA.

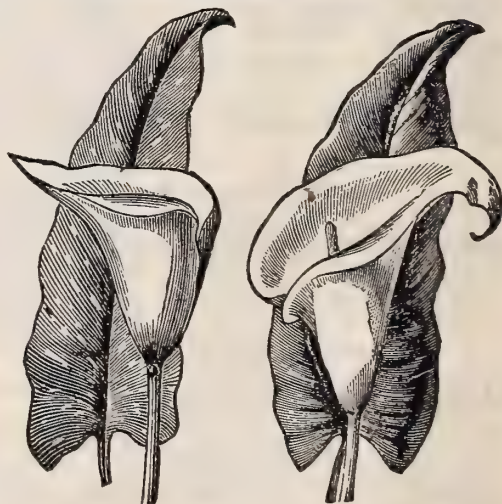
The flowers are of very large size like an Amaryllis, novel form and of snowy whiteness, and are also exceedingly fragrant. As a pot plant it is grand, and as a garden bulb treated like a Gladiolus it is one of the choicest of all flowers. Strong flowering bulbs. Each, 20c.; 3 for 50c.; 7 for \$1.00.



HYACINTHUS CANDICANS.



CALADIUM ESCULENTUM.



SPOTTED CALLA.

WHITE CALLA.

## CALLA LILIES.

**Richardia Ethiopica** is the well known Egyptian Lily, or Lily of the Nile, with large white flowers, broad foliage, and it will prosper under very adverse circumstances if given plenty of water. It is an excellent plant for aquariums. In the spring it may be planted in the garden until the autumn.

**Richardia Ethiopica or Egyptian Lily.** Our Calla roots are large and fine, as we have them grown for us in California, where the Calla is perfectly at home. Each, 25c.

**Alba Maculata or Spotted Calla.** This is a fine plant for summer. The bulbs must be kept in dry sand in the winter. Each, 25c.



**25 Cents** WORTH EXTRA GIVEN TO ALL CUSTOMERS SENDING \$1.00 FOR SEEDS IN PACKETS OR BY THE OUNCE.



# SUMMER FLOWERING BULBS.

## LILIES.



LILIUM AURATUM.

**Lilium Auratum.** The glorious gold banded Lily of Japan and one of the grandest plants in cultivation. Its immense ivory white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, fading at its edges into the white. Each, 20c.; doz., \$2.00.

**Lilium Longiflorum.** The pure white flowers resemble the well known Bermuda Easter Lily and are very fragrant. Each, 15c.; doz. \$1.50.

**Lilium Speciosum Album.** Pure white flowers, with a greenish band through the center of each petal. They are of great substance and very fragrant. Each, 20c., doz., \$2.00.

**Lilium Speciosum Rubrum.** No words can overstate the brilliant beauty of these famous Japan Lilies. The six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make them very effective and desirable. Each, 15c.; doz., \$1.50.

**Lilium Tigrinum, Flore Pleno.** (Double Tiger Lily.) This magnificent Lily is of stately habit, bearing clusters of very large double flowers on tall, strong stems, color, bright orange red, spotted with black. Each, 15c.; doz., \$1.50.

**Lilium Tigrinum, Splendens.** (Improved Single Tiger Lily.) Has very large flowers of excellent form; color, orange salmon with dark spots. Each, 15c.; doz., \$1.50.

**Lilium Candidum.** This is the ever popular, fragrant snow-white, hardy garden Lily, which is also known as "Annunciation Lily," and "Madonna Lily." It grows 3 to 4 feet high, and blooms in the open ground in June. When grown in bold masses or in rows these lilies are especially effective, the purity of their snow-white flowers against surrounding greenery of shrubs, grass and trees is very telling. This lily dislikes being coddled, thriving best when it can remain undisturbed for years in good garden soil. Each, 12c.; doz., \$1.25.

## TIGRIDIAS.

These bulbs grow about one and one-half feet high, producing flowers of the most exquisite beauty. Flowers are large, about four inches across, of singularly curious shape, and the color of each variety gorgeous and purely contrasted. Blooms from July to October.

**Tigridia Conchiflora.** (Mexican Shell Flower.) Fine dark yellow, large red spots. Each, 5c.; per doz., 30c.

**Tigridia Grandiflora.** (Peacock Tiger Flower.) Very large, bright crimson, center mottled with yellow. Each, 5c.; per doz., 30c.

**Tigridia Grandiflora Alba.** Flowers large, ivory white, spotted at the base with red on yellowish ground, forms a fine contrast with the white petals. Each, 8c.; per doz., 75c.

## LILY-OF-THE-VALLEY.

**Fragrant and Lasting.** The rival and fit companion of the violet, there is no flower more lovely than this.

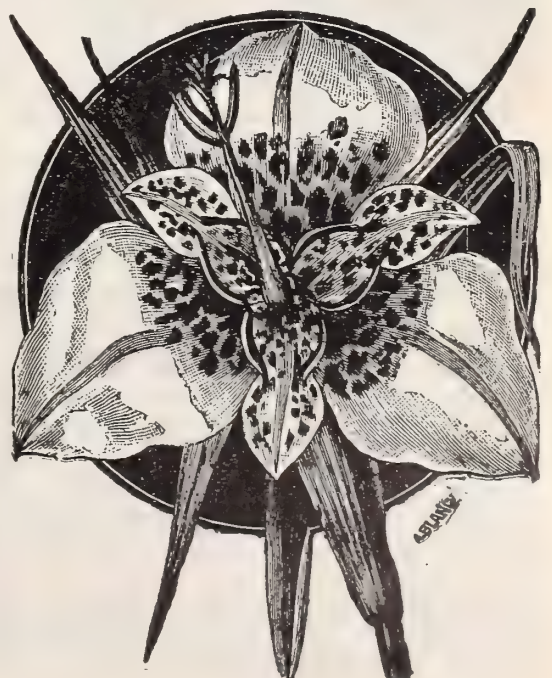
**Large Flowering German Pips.** 6 for 15c.; 12 for 25c., postpaid.

**Large Imported Clumps.** These should be planted in a shady, moist situation, and being one of the hardiest of flowers they require little or no protection. A corner filled with these plants, mingled with hardy ferns, becomes a pot of beauty. Each, 30c.; per doz., \$3.00.

## MILLA BIFLORA.

(Mexican Star or Frost Flower.)

A beautiful Mexican summer-blooming bulb. A group of them is always in flower after the middle of summer and very attractive. Flowers star-shaped, 2 inches across clear waxy-white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; we have seen 11 stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height, 12 to 18 inches. For an effective display, groups of 12 to 25 or more should be planted about 6 inches apart in a sunny bed. Each, 5c.; per doz., 50c.; per 100, \$4.00.



TIGRIDIAS.



# SUMMER FLOWERING BULBS

## CHOICE STANDARD CANNAS.

NOTE: The price below are for roots delivered before May 1st.  
Each. Doz.



CANNAS, STANDARD VARIETIES.

### NEWER VARIETIES OF CANNAS.

**King Humbert.** In this grand new Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its flowers are of a brilliant orange-scarlet with bright red markings; 5 feet.

**Mont Blanc.** A grand acquisition, being almost a pure white, and contrasts well with the high-colored sorts; 3½ feet.

**Louisiana.** A strong, vigorous grower, producing a mass of glossy green foliage and vivid scarlet flowers.

**Jean Tissot.** One of the brightest of the very large flowered Cannas. Color intense brilliant vermilion with bright orange shadings.

**President Meyer.** A large flower, rich cherry-carmine color, it has bronzy foliage.

**Rubin.** Ruby-carmine flower, not large, but produced in such profusion that it is one of the best bedding varieties in our collection.

Prices: Any of above, each, 20c.; doz., \$2.00.

### TUBEROUS BEGONIAS.

This class is becoming very popular, either for beds of summer flowers or as pot plants for the house. Can be grown outdoors with fine success. Nothing can exceed the brilliancy of their colors, the delicacy of their tints, the richness of their waxy flowers, the gorgeousness of their effect in masses, or their graceful appearance in beds or borders.

Single Flowered, Mixed, each, 10c.; per doz., \$1.00.  
Double Flowered, Mixed, each, 20c.; per doz., 2.00.

### Giant - Flowered Gladiolus, Princes.

This magnificent new hybrid is an unusually healthy, robust variety, producing spikes often 3 feet long, carrying from 18 to 22 broad, round petaled, immense flowers, about 6 inches across, of perfect and open form and waxy substances. The coloring is glowing scarlet-crimson, enlivened below the throat by a large feathered white blotch sprinkled with scarlet. The spikes continue to lengthen and produce bloom for several weeks; often four of these glorious flowers are expanded at one time, and on account of the vigor of the plant, the tip buds develop almost as large and perfect flowers as those at the base, and frequently side growth and spikes are produced, thus lengthening the flowering period. Price each, 15c., dozen, \$1.50

Alphonse Bouvier. Crimson, 6 ft. ....  
Alsace. Sulphur white, 4½ ft. ....  
Bassett's Red. An excellent bronze foliated variety 5½ ft. ....  
Buttercup. Finest yellow, 3 ft. ....  
Chas. Henderson. Bright crimson, 4 ft. ....  
Cinnabar. Cinnabar-red, edged yellow, 4½ ft. ....  
David Harum. Bright, deep, satiny vermilion, good bronze foliage, 3½ ft. ....  
Duke of Marlboro. Deep crimson, 4 ft. ....  
Egandale. Currant-red, bronze-leaved, 4 ft. ....  
Florence Vaughan. Yellow, spotted red. ....  
Furst Bismarck. Scarlet crimson, 3½ ft. ....  
Harry Laing. Rich, glowing scarlet, suffused with orange, very large, 5 ft. ....  
J. D. Eisele. Bright vermilion scarlet overlaid with orange. ....  
Mme. Crozy. Gilt edged, scarlet, 4 ft. ....  
Mlle. Berat. The best pink bedder, 4 ft. ....  
Miss Berthine Brunner. Pure yellow, minutely spotted with orange scarlet, 5 ft. ....  
Papa Nardy. Very large, rich currant-red with purplish sheen. ....  
President McKinley. Crimson scarlet. ....  
Secrétaire Chabanne. Salmon, 3 ft. ....  
Souv. de Antoine Crozy. Intense scarlet with golden edge. ....  
Wilhelm Gressinger. Pure yellow, dotted carmine, 4½ ft. ....

.10 1.00

Prices: Any of Above, each, 10c.; doz., \$1.00.



TUBEROUS BEGONIAS.



# HARDY CLIMBERS

## AMPELOPSIS.

**Veitchii.** (Boston or Japan Ivy.) Probably no climber has been so generally used the last few years. The leaves of this beautiful climber, resembling in shape the English ivy, overlap one another closely, changing in the fall to the most vivid autumnal tints—gold, purple and scarlet—remaining so until they drop. It clings to wood, stone or brick, painted or unpainted—requiring no other support than a smooth surface, to which it clings with tenacity. No buildings are considered too handsome to cover with this plant, and the most unsightly buildings are made picturesque by its use. Many city residences are covered with it, to which it lends an air of elegance. It preserves and enhances the beauty of the most intricate architectural outlines. Extra strong field grown plants. Each, 20c.; by mail, 25c.

**Quinquefolia.** (Virginia Creeper.) Well known; leaves changing in fall to brilliant tints. Strong field grown plants. Each, 20c.; by mail, 25c.

## HYBRID LARGE FLOWERED CLEMATIS.

Without exception the finest climbers we have, blooming through the greater part of summer and fall. The flowers are from 4 to 6 inches across, and from their graceful contour resemble huge butterflies hovering among the green leaves. A plant in full bloom is one of the most conspicuous and beautiful objects, and one that invariably attracts attention. The support on which they are allowed to grow should be durable and permanent, wire netting being the best support for this purpose.

**Jackmanni.** The best known of the fine perpetual clematis. Blooms from July to October. Flowers intense violet purple, remarkable for their velvety richness.

**Jackmanni alba.** White, strong grower.

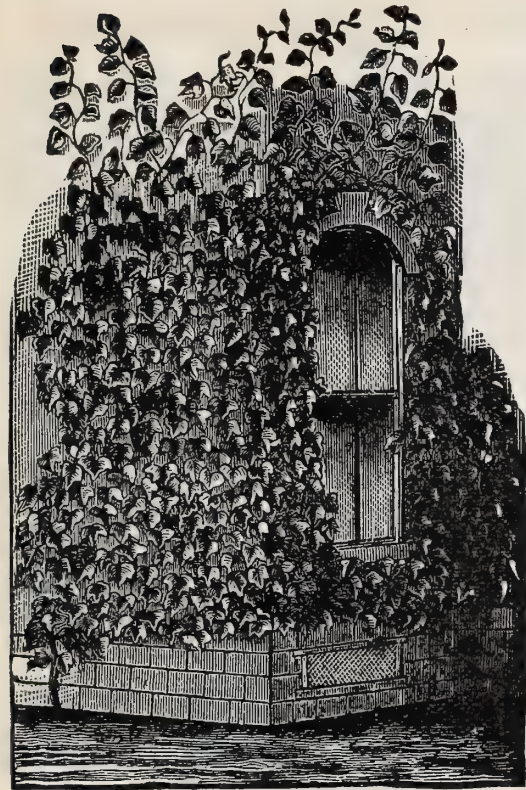
**Hybrida Sieboldi.** Silvery lavender, a most beautiful shade.

**Henryi.** Commences to bloom in June. Its first bloom is immense, after which it blooms at intervals during the whole season. Rich, creamy white.

**Duchess of Edinburgh.** Double white. Extra strong field grown plants. Each, 50c. by mail.

## SMALL FLOWERED CLEMATIS.

**Paniculata.** A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets and of a most delicious and penetrating fragrance. The flowers appear in September, at a season when few other vines are in bloom. Each, 25c.



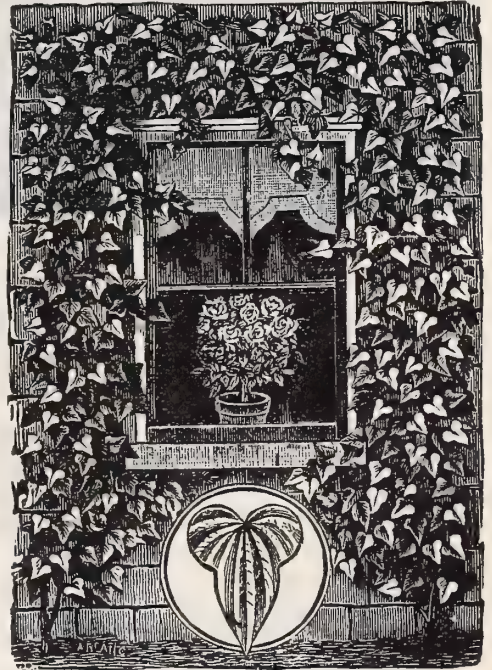
AMPELOPSIS VEITCHII.

**Coccinea.** Bell-shaped flowers, bright coral red; blooms from June until frost. A rapid grower; very free bloomer. Each, 25c.

**Crispa.** Fine, deep blue, with a white border, and deliciously fragrant. Each, 25c. by mail.

## CINNAMON VINE.

A very pretty vine to train around the window or on a trellis. In midsummer the plant is covered with a brilliant, glossy foliage and an abundance of fragrant flowers. It is also an exceedingly quick grower, having been known to attain a height of twenty feet in one season. Each, 5c.; by mail, 10c.



CINNAMON VINE.

**BLATCHFORD'S  
PLANT GROWER**  
FOR HOUSE PLANTS  
It is practically odorless,  
very soluble and easily  
applied. 1½ lbs. in tin  
packages, 25c.; by mail  
postpaid, 50c.



CLEMATIS PANICULATA.

## HONEYSUCKLES.

**New Sweet Scented "Heckrotti."** Remarkable for the large size and delicious fragrance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

**Halleana (Halls Japan).** Almost evergreen sort with pure white flowers, changing to yellow. Flowers from July to November.

**Japan Golden-Leaved (Aurea Reticulata).** Variegated yellow and green foliage and yellowish-white fragrant flowers.

**Scarlet Trumpet or Coral (Sempervirens).** Very strong, rapid grower, with beautiful scarlet flowers all summer.

**Sweet Scented Monthly (Belgica).** This is one of the most satisfactory of Honeysuckles, producing continuously large trusses of very fine, fragrant flowers, red and yellow in color.

**Price:** Strong 2-year-old vines, each, 30c.; 3 for 75c.; 12 for \$2.50, by express.

## MADEIRA VINE.

The Madeira Vine is of rapid growth, with dense and beautiful foliage, twining to great height. It grows anywhere, but does better in a warm, sunny, sheltered location. It is also a very pretty plant for training around the windows in the house. Strong Tubers, each, 5c.; 3 for 10c.; per doz., 30c.; postpaid.

ALL FLOWER SEEDS AND SUMMER FLOWERING BULBS SENT FREE  
BY MAIL AT CATALOGUE PRICES.  
PLANTS SENT BY MAIL ONLY WHERE SO NOTED.





LIMA BEANS.

Port Norris, N. J., Aug. 16, 1905.  
Gentlemen: I have an immense crop of Lima Beans and farmers for miles around come to see it. The best farmers never saw its equal. If Nitro-Culture had cost \$10.00 per acre, I would have been well pleased. I have in all 8,600 hills and the cost of Nitro-Culture was \$4.00. I know by test that it made my crop one week earlier, which means several times the cost of inoculation.  
(Signed) J. W. BRADWAY.



Specimen plants characteristic of uninoculated and inoculated field of Alfalfa, on farm near Bynum, Hartford, County, Maryland. The uninoculated plants turning yellow, though sown on ground richer and better than the inoculated field. Gain from inoculation nearly 500 per cent. by weight.—(Photo by U. S. Dept. of Agriculture.)

If you are growing legumes without the roots being plentifully supplied with nodules you are losing all the benefit nature intended you to receive from the wonderful Nitrogen-fixing Bacteria.

When ordering, state what particular crop you desire to inoculate. Crops mentioned on the same line, require the same Bacteria.:

Alfalfa or Lucerne.  
Red, Yellow or Mammoth Clover.  
Alsike or White Clover.  
Crimson Clover.  
Burr Clover.  
Cow, Clay, Whip-O'-Will, Black Eye Peas.  
Garden Peas.

Garden Beans (Wax, String, Lima, Pea or Kidney).  
Soy Beans.  
Velvet Beans.  
Vetch.  
Peanuts.  
Field Peas.  
Sweet Peas.

## PRICE LIST:

TRIAL PACKAGE.....	\$ .50
1-ACRE PACKAGE.....	1.50
5-ACRE PACKAGE.....	5.00
20-ACRE PACKAGE.....	18.00
50-ACRE PACKAGE.....	40.00

## SPECIAL GARDEN PACKAGES.

SWEET PEAS.....	\$0.25
GARDEN BEANS.....	.25
GARDEN PEAS.....	.25

NITRO-CULTURE cannot be furnished for any crops like corn, wheat, potatoes, cotton, etc., but only those which are mentioned on the above price-list. Inoculated clover may be planted with oats or other crops, and we have reason to believe that they will be benefited.

## NITRO-CULTURE.

## WHAT NITRO-CULTURE IS.

Nitro-Culture consists of nitrogen collecting Bacteria which work in the soil and on the roots of leguminous plants, having the power to collect free nitrogen from the air and supply it to the plants. All plants need nitrogen, which is very costly when obtained through chemical fertilizers. The remarkable increase of crop frequently reported and caused by inoculation is due wholly to the large amount of nitrogen collected from the air by the bacteria.

## METHOD OF USING.

The Bacteria are furnished dried on absorbent cotton and can be readily forwarded by mail to any section of the country. Full directions accompany each package, which no farmer can have any difficulty in following out.

## VALUE AS SOIL RENOVATOR.

It has been ascertained from the most reliable sources that the average inoculated leguminous crops such as clover, alfalfa, vetch, peas, beans, etc., will not only under the proper conditions show an increase of crop, but also that the Bacteria will collect from the air and leave in the soil at the end of the season after the crop is harvested not less than 100 pounds of nitrogen per acre. This nitrogen at present market prices would be worth \$15.00 and upwards per acre, and would show a corresponding increase in the next succeeding crop, no matter what it may be.

Nitro-Culture is prepared under the supervision of Dr. Geo. T. Moore, formerly of the United States Department of Agriculture and discoverer of the improved process.



Carlock, Ill., July 27, 1905.

Gentlemen: I report results of the crop inoculated with Nitro-Culture, received from you this spring. I sowed 10 acres inoculated clover and am well satisfied that I have a more uniform stand of clover on the thin land than if I had not treated the seed with Nitro-Culture.

I herewith send you a photo of oats taken from the east and west sides of oat-field. The large sample was on the east end where clover was treated, the small sample on the west end where there was no clover, you can judge for yourself as to results.

Yours truly, J. H. KING.



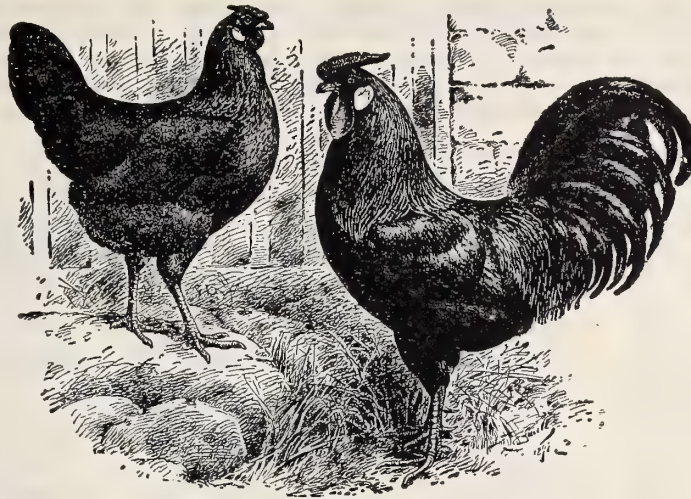
All Prices are Subject to Market Changes.

# POULTRY SUPPLIES.

Don't Forget Sunflower Seed for Feeding.

PEA SCREENINGS—WHOLE AND SPLIT PEAS, ETC.

Chicken and Pigeon fanciers in the vicinity of Chicago are unanimous in their praise of Peas as a food for their fowls. They feed the Pea Screenings which contain both whole and split peas alone or by combining with regular mixed food. It can also be ground and fed as a mash with other grain and for this purpose is unsurpassed. Our large milling operations in Seed



Peas place us in a position to furnish at all times, not only the best stock but also gives the purchaser an opportunity of choosing from many different samples and grades.

Samples and prices on quantity submitted on application.

100 lbs. .... \$1.50  
Less than 100 lbs.,  
per 100 lbs. .... \$2.00

## CRUSHED OYSTER SHELLS.

Crushed oyster shells, to a large extent, will supply the necessary material for grinding their food and at the same time furnish lime for the egg shells. Chemical analysis and experiments, together with the reports from many practical poultry men, show conclusively that the ordinary grain and the green food supplied to laying hens do not contain enough lime for the formation of the egg shells. It will require several times as much lime as is ordinarily fed, if good strong egg shells are to be produced. Crushed oyster shells will supply this necessary lime if kept continually before the fowls, trusting to them to eat the amount needed rather than mixing the shells with food. The judgment of the fowls can be relied upon in this respect.

### PRICES.

100 Lbs. ....	\$0 65	5 Lbs. ....	\$0 10
200 Lbs. ....	1 25	10 Lbs. ....	15
500 Lbs. ....	3 00	25 Lbs. ....	25
1000 Lbs. ....	5 50	50 Lbs. ....	45

## PEARL SHELL GRIT.

Pearl grit is a crushed shell obtained in connection with the manufacture of pearl buttons. It contains the same amount of lime, but less salt than Oyster Shell and acts as a grit in grinding the food of fowls, birds, pigeons, etc., making by far the most serviceable and economical grit upon the market. We can furnish this grit in any quantity desired. Many leading poultry men now use Pearl grit exclusively

### PRICES.

100 Lbs. ....	\$0 60	5 Lbs. ....	\$0 10
200 Lbs. ....	1 10	25 Lbs. ....	25
500 Lbs. ....	2 50	50 Lbs. ....	40

## MICA CRYSTAL GRIT.

Examinations of 100 gizzards taken from chickens supposed to have died from Cholera, had no grit of any kind to digest their food, and in each case Diarrhea existed 3 or 4 days before death and food had passed through gizzard just as eaten, proving that indigestion alone was responsible. Analysis, furthermore, proves that Mica Crystal grit is the only rock known showing the combination of Mica, Quartz, Aluminum, Iron and Magnesium, essential to all poultry.

We carry in stock three sizes. Large for old poultry, geese, ducks and turkeys. Medium for pigeons, and small size for young chickens.

### PRICES.

100 Lbs. ....	\$0 75	5 Lbs. ....	\$0 10
500 Lbs. ....	3 35	25 Lbs. ....	30
1000 Lbs. ....	6 00	50 Lbs. ....	45

## MISCELLANEOUS POULTRY FOODS.

Midland Poultry Food, in 2 Bu. sacks, each. ....	\$ 2 00
Clover Meal, 10 lb. bag, 40c.; 50 lb. bag. ....	1 00
100 lb. bag. ....	2 00
Cut Clover Hay put up in 50 lb. sacks, price. ....	1 00
Yankee Corn, pk., 50c.; bu., \$1.50; 10 bu. ....	12 50
Sunflower Seed, 5 lbs., 30c.; 10 lbs., 50c.; 100 lbs. ....	3 50
Millet, Peas, Wheat and all Grains.	
Market Prices on Application.	

Rust's Egg Producer, lb. box, 25c.; 2½ lb. box, 50c.;	
6 lb. box. ....	1 00
Pratt's Poultry Food, ½ lb. pkg., 10c.; 5 lb. pkg., 60c.;	
25 lb. bag. ....	2 50
Egg-O, 2 lb. pkg., 25c.; 10 lb. bag. ....	1 00
Linseed Meal, 10 lbs., 75c.; 25 lbs., \$1.40; 100 lbs. ....	5 00

## BLATCHFORD'S POULTRY MEATS.

In 4 pound bags. ....	\$0 35
In 10 pound bags. ....	70
In 20 pound bags. ....	1 25
In 50 pound bags. ....	2 75
In 100 pound bags. ....	5 00

## LIGHTNING LICE KILLING POWDER.

Our Lightning Lice Killing Powder is put up in strong airtight tin cans. We mail the powder to any part of the United States and Canada with an additional cost of only one cent per ounce. The prices are as follows: ½ lb., 25c.; 1 lb., 50c. By mail with the postage paid to your nearest postoffice, ½ lb., 35c.; 1 lb., 65c.

## "JUMBO" INSECT POWDER GUN.

Designed to distribute any fine powder. Very useful in dusting hens with powder or blowing it into cracks and crevices. Jumbo Powder Guns, 25c.; postpaid, 30c.

## POULTRY NETTING.

Prices Subject to Market Changes.

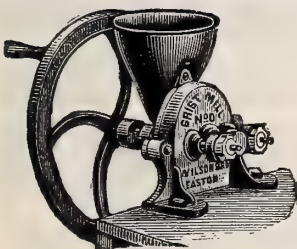
Poultry Netting, Regular 2 inch Mesh, in widths of 1, 2, 3, 4, 5 and 6 feet, less than full rolls, per 100 square feet. ....	\$0 60
Full rolls of 150 lineal feet, per 100 square feet. ....	55
Five roll lots, per 100 square feet. ....	50
Poultry Netting, 1 inch Chick Mesh, in widths 1, 2, 3, 4 and 5 feet, less than full rolls, per 100 square feet. ....	1.00
Full rolls of 150 lineal feet, per 100 square feet. ....	90
Five roll lot, per 100 square feet. ....	85

Except where otherwise noted the Prices are all Net, delivered at the Express Office or Freight Depot at Chicago; Purchasers in all cases pay freight or express charges. :: :: ::

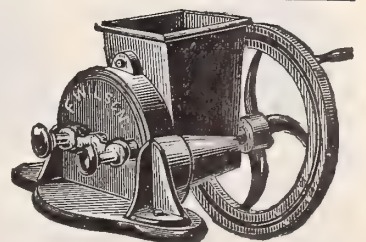
## WILSON'S MILLS.

For poultry raisers the Wilson Mills are almost indispensable. They can be used for grinding oyster shells, bones, stones, old crockery, etc. The Grist Mill No. 0 for grinding into meal all sorts of corn, wheat and other grain. The Bone Mill No. 1 for grinding oyster shells or any other hard substance. Prices—Grist Mill, \$3.50; Bone Mill, \$4.00. Stand, \$2.00 extra.

WRITE FOR OTHER INFORMATION.



No 1.



No. 0.



# FERTILIZERS AND INSECTICIDES.

It is unnecessary to tell our customers that Chicago is recognized as headquarters for commercial fertilizer. Here is to be had material for the manufacturing of fertilizer in large quantities and of highest grade. We have made special arrangements with the factory by which we are able to offer this article at the lowest wholesale price, and solicit correspondence from parties wishing large quantities. We can save you money if you buy by the sack, ton or carload. Every bag and barrel has a guaranteed analysis. **PURCHASER PAYS THE FREIGHT.**



## BLATCHFORD'S Plant Grower AND Land Renovator.

This splendid Fertilizer is composed of pure nitrate of soda, muriate of potash, sulphate of ammonia, bone meal and gypsum. It is excellent for lawns, for indoor plants, vegetable crops and for all the purposes for which a fertilizer is needed.

100 lb. bag.....	\$3.00
20 lb. bag.....	1.00
10 lb. bag.....	.50
1 1/2 lb. can.....	.25

Special quotations on large lots.

**Vegetable and Lawn.** Guaranteed analysis: Ammonia, 4 to 5 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 8 to 11 per cent; actual potash, 7 to 9 per cent. This is positively the best article on the market for use as a complete manure for all purposes. It is the best lawn fertilizer ever prepared. Note the large amount of actual potash in this brand. 10 lb. pkg., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$2.00; 200 lbs., \$3.50; ton, \$33.00.

**Farmers' Favorite Brand.** Guaranteed analysis: Ammonia, 3 1/2 to 4 1/2 per cent; available phosphoric acid, 8 to 9 per cent; total phosphoric acid, 13 to 14 per cent; actual potash, 4 to 5 per cent. 200 pounds of this will go as far as 600 pounds of almost any other brand on the market. It is available for spring crops and also lasting in the soil. It is the best brand on the market for fruit trees, vines and small fruits. 10 lb. pkg., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.90; 200 lbs., \$3.00; ton, \$29.00.

**Sure Winner Brand.** Guaranteed analysis: Ammonia, 1 1/2 to 2 1/2 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 12 to 14 per cent; actual potash, 3 to 4 per cent. For land and crops requiring minerals (phosphoric acid and potash) and very little ammonia this brand fills the bill. 10 lb. pkg., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.50; 200 lbs., \$2.75; ton, \$26.00.

**Chicago Brand** Guaranteed analysis: Ammonia, 2 1/2 to 3 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 11 to 14 per cent; actual potash, 1 to 2 per cent. This brand gives you a combination of nitrogen and phosphoric acid, with very little potash, and where potash is not needed, gives very good results. 10 lb. pkg., 40c.; 25 lbs., 75 c.; bag of 100 lbs., \$1.25; 200 lbs., \$2.50; ton, \$23.00.

**Nitrate of Soda.** Should be sown broadcast, and it is very important to sow it evenly. 2 or 3 pounds on a square

rod will be beneficial. 25 lbs., \$1.50; 50 lbs., \$2.00; 100 lbs., \$3.25; 200 lbs., \$6.50; 500 lbs., \$15.00.

**Pure Ground Bone, Steamed.** Guaranteed analysis: Ammonia, 3 to 4 per cent; bone phosphate, 50 to 60 per cent; equal to phosphoric acid, 24 to 26 per cent. In this article we give you a finely ground steamed bone, pure and in the best possible condition. Users of bone alone can find no better article. It will analyze nearer the highest per cent given in our guarantee than it will the lowest. It gives great big results on fall crops. 10 lbs., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.60; 200 lbs., \$2.85; ton, \$27.00.

**Ground Raw Bone.** Guaranteed analysis: Ammonia, 4 to 5 per cent; bone phosphate, 45 to 55 per cent; equal to phosphoric acid, 21 to 25 per cent. This is a pure ground raw bone—no rock is put in to cheapen it. These goods also will analyze nearer the highest limit of our guarantee. 10 lbs., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.90; 200 lbs., \$3.00; ton, \$29.00.

**Florist's Plant Food.** This article has been made at the suggestion of florists, who desired to obtain in an inexpensive, effective and odorless preparation, that would act quickly on plants and furnish food for flower and leaf. An application of this plant food will be observed in the vigorous growth of the flowers and a deep green foliage. 5 lbs., 50c.; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$2.00; 100 lbs., \$4.00.

**Blood and Bone.** Manufactured of pure blood and bone. When this fertilizer is used in rows or in hills for such crops as celery, cabbage or early corn, from 100 to 200 pounds per acre will be enough. 200 lbs., \$3.00; ton, \$25.00.

**Bowker's Plant Food.** An excellent fertilizer for house plants. Clean to handle, without odor, produces rich green growth and profusion of flowers. Directions for use accompany each package. Small pkg., 15c.; by mail, 20c.; large pkg., 25c.; by mail, 40c.

**Insecticides.** Insecticides cannot be sent by mail. The prices quoted are net. Purchaser must pay all express or freight charges. On many of the items prices change with the market, and special quotations will be made upon application. For prices on larger quantities than quoted, write. Any information desired in relation to insecticides or fungicides will be given as far as data at hand will permit.

**Bug Death.** This new preparation comes highly recommended after a six years' test in the east. It is sure death to the Potato Bug, and besides it acts as a fertilizer. There are many testimonials at hand from very large eastern potato growers. From the reports that we have received in regard to this new insecticide we feel much confidence in offering it, with our indorsement to any of our customers who want a quick acting, sure non-poisonous bug killer. It can be used on all vegetable and fruit crops and will give excellent results.

16 page booklet containing full information free on application. 1 lb. pkg., 15c.; 3 lb. pkg., 35c.; 5 lb. pkg., 50c.; 12 1/2 lb. pkg., \$1.00; 100 lb. keg, \$7.00. Perfection Shaker for applying Bug Death, 65c.

**Fir Tree Oil.** For greenhouse and house plants. It destroys all plant insects without injuring the plant. It is the best insecticide for scale aphids, red spider, mealy bug, thrip and worms. Dilute in the proportion of one pint to 20 gallons of water. Apply with vaporizer or syringe. 1/2 pt., 40c.; pt., 75c.; qt., \$1.25; 1/2 gal., \$2.25; gal., \$4.00.

**Fir Tree Oil Soap.** This is the same as the Fir Tree Oil, but in soap form. It is useful for the same purposes. Mix at rate of one ounce to a gallon of water, and apply with bellows or syringe. 1/2 lb., tin 25c.; 2 lb. tin, 75c.; 5 lb., tin \$1.75.

**Dalmatian Insect Powder.** Effective against almost all kinds of insects. 1/2 lb. box, 30c.; 1 lb. box, 50c.

**Gishurst's Compound.** A certain remedy for greenfly, scale, mealy bug, etc. Excellent for greenhouse use. Full directions for use on each box. 1 lb. box, 50c.

**Hammond's Grape Dust.** For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 5 lb. pkg., 35c.; 10 lb. pkg., 60c.; 100 lb. keg., \$5.00.

**Hellebore, Powdered.** An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—one ounce to 3 gallons. 2 lb. box, 35c.; 1 lb. box, 20c.; 1/2 lb. box, 12c.

**Whale Oil Soap.** For washing trees and destroying all insects on the bark. Mixed at the rate of one pound to 4 gallons of water, it will rid cabbage, rose bushes, peach trees, etc., of the aphides that so often infest them. 1 lb. box, 18c.; 5 lbs., 50c.; 10 lbs., 90c.; 100 lb. keg, \$7.00.

**Paris Green.** Mixed at the rate of one pound to 200 gallons

of water it will prove effective against all chewing insects. 1 lb. can, 35c.; 1/2 lb. can, 20c.; 1/4 lb. can, 15c. This article is liable to fluctuate in price. Special prices on large lots.

**Slug Shot (Hammond's).** Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, etc. Prepared ready for use. 5 lb. pkg., 30c.; 10 lb. pkg., 50c.; 100 lbs., \$4.00

**Tobacco Dust.** If dusted on white the foliage is moist it destroys rose lice, cabbage and turnip fleas, etc. Spread upon the ground it keeps off all earth insects, and also acts as an excellent fertilizer. 1 lb. box, 10c.; 5 lb. pkg., 30c.; 10 lb. pkg., 50c.; 100 lbs., \$2.50.

**Tobacco Stems.** For fumigating plants infested with greenfly. Bale of about 100 lbs., \$1.50; bale of about 200 lbs., \$2.75; bale of about 400 lbs., \$4.50.





# GARDENING TOOLS AND SUPPLIES

Prices given below do not include prepaying charges except where noted.



**Bellows.** Used for dusting plants with sulphur. Two sizes, each \$1.00 and \$1.25.

**Dibbers.** For transplanting vegetable plants, steel points. Each, 25c.; by mail, 50c.

**Fumigators.** For fumigating plants with tobacco smoke. No. 1, \$1.50; No. 2, \$2.50; No. 3, \$3.50.

**Garden Lines.** Best braided. 200 feet, \$1.25; 100 feet, 65c.

**Garden Line Reels.** Each, 60c.

**Glass Cutters.** Diamond Universal, \$3.50



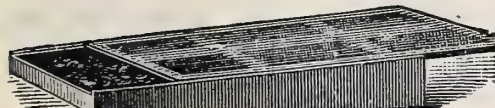
Excelsior Weeder.



Hazeltine Weeder.



Lang's Weeder.



Protecting Cloth for Hot Beds.

**Glass Cutter and Glazing Tool.** Each, 10c.; doz., \$1.00.

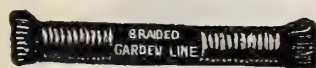
**Hand Cart.** Has 3-inch iron axle, 29½ in. long, wheels 30 in. high and tire 1x3-16. Box, 20x32 in. outside, and 10 in. high. Weight, 50 lbs. A very handy cart for light work. Price, \$7.00.

**Hoes, Scuffle.** Price without handles, 6 in., 35c.; 7 in., 45c.; 8 in., 55c.; 9 in., 65c.

**Hoes, Dutch Garden.** Each, 40c.

**Hoes, Warren.** No. 1, 65c.; No. 2, 85c

**Hose Nozzle.** Standard, with stream and 2 in. spray, 80c.; 2½ in. spray, \$1.00.



Scollay's Sprinkler.



Fumigator.

**Horse Radish Grater.** No. 1, capacity 50 lbs. of roots per hour, weight, 38 lbs. Price, \$8.00.

**Knives, Asparagus.** Imported, each, 90c. American, each, 35c.

**Knives, Budding.** Blades are of best English steel. Handles, German silver or horn. Two styles of blades, A and B. Each, 50c., postpaid.

**Knives, English Budding.** Ivory handle. No. 1, Each, \$1.00. Black handle, ivory tip, No. 2, each, 75c.

**Knives, Pruning.** Stag handle, bent blade, No. 3, each, 90c.; No. 4, \$1.25. Straight blade, each, \$1.15.

**Knives, Seed Potato.** Humphrey's concave (see cut). Each, 30c., postpaid.

**Mole Traps, Hales.** The best trap in use. Each, \$2.00.

**Mole Traps, Perfection.** A good trap, highly recommended by eastern seedsmen. Each, \$2.00.

**Patent Protecting Cloth for Hot Beds.** Largely used in place of glass for protecting plants in early spring. The material used in its preparation renders it very tough and durable, prevents it from shrinking, and causes it also to be partially waterproof. Heavy grade most suitable for all purposes. Per yard, 12c.; by mail, 21c., postpaid.

**Potato Fork.** Nine tined, each, \$2.25.

**Putty Bulb.** Rubber, excellent for glazing. A pressure with the hand ejects the putty along the sash bars. Each, \$1.00; by mail, \$1.10

**Rakes, Garden.** Steel, sixteen teeth, each, 75c.

**Rakes, Davis Lawn.** Each, 65c.

**Saws, Boynton's Pruning.** The best pruning saw made; has holes in handle for attaching pole. Each, 16 in., 85c.; 18 in., \$1.00; 20 in., \$1.25.

**Sprinklers, Scollay's Rubber.** Very fine for floral work or pot plants. Also very useful for dampening clothes or any kind of sprinkling. Made of the very best rubber. First size, \$1.10; medium, 70c.; small, 60c., prepaid.

**Thermometers, Siex's Self-Registering.** This is perfectly true, and registers both heat and cold. Easily reset with a horseshoe magnet which accompanies each. \$3.00.

**Thermometers.** Tin case, 8 in., each, 25c.; not prepaid.

**Thermometers, Standard.** Wood case, each, 45c., not pre-paid.

**Thermometers, Impotred German.** All glass, for propogating beds and hot beds. Each, \$1.00.

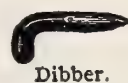
**Transplanter, the Avery.** An indispensable tool for gardeners. It is by far the best transplanter on the market. Small hand size 50c.; large two-hand size, \$2.00.

**Trowels.** Ordinary, each, 5 in., 15c.; 6 in., 20c.; 7 in., 25c.; 8 in., 30c. Solid steel, 6 in., 50c.; 7 in., 60c.; 8 in., 70c., postpaid.

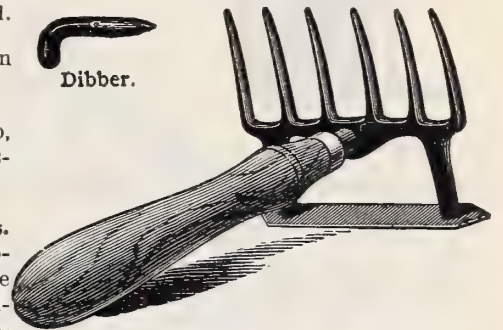
**Turf Edger.** For trimming walks, round edge, each, 60c.; square edge, 65c.; including handle.

**Weeders, Bee.** Each, 15c., postpaid.

**Weeders, Noyes'.** An old standard tool. Each, 25c.; postpaid, 30c.



Dibber.



Combination Hand Weeder.

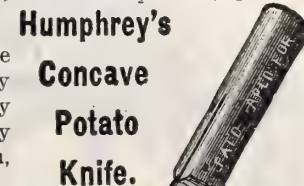
**Weeders, Hazeltine.** Made of best steel, good size and very durable. Each, 20c.; postpaid, 25c.

**Weeders, Excelsior.** A very useful tool for the garden. Each, 15c.; postpaid, 20c.

**Weeders, Lang's Hand.** A very good tool, allowing the use of hand while using. Each, 25c.; postpaid, 30c.



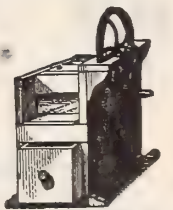
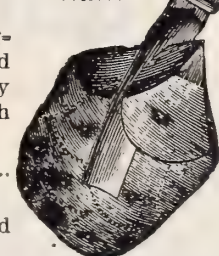
Sulphur Bellows.



Humphrey's  
Concave  
Potato  
Knife.



Garden Line  
Reel.



Horse Radish  
Grater.

We aim to carry a full line of Garden Requisites. If what you want is not listed, write for it.



# Miscellaneous Tools and Requisites.

Purchaser Pays the Postage, Expressage or Freight, Except Where Noted Otherwise.



THE "LIGHTNING" WHITE WASH SPRAYER AND FORCE PUMP NO. 28.

Will Fit Any Pail or Bucket.

This is the only spray pump that will spray white wash without clogging. It is constructed of heavy galvanized iron with brass top and bottom. It is made with large air chamber and has ball valves. Pressure being held in air chamber and hose, so that nozzle throws continuous spray, and is not affected by upward strokes. Pump is provided with 3-foot hose, 1-foot extension pipe with brass end nozzles. Is used for bucket spray and white washing. Price, \$1.50.

THE "LIGHTNING SPRAYER"

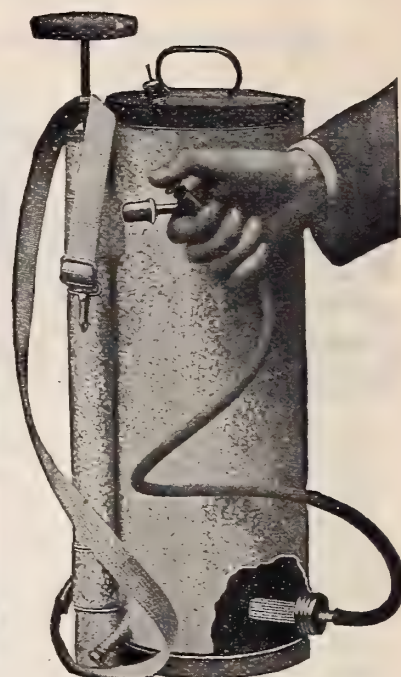
No. 21.

Operated by Compressed Air.

Accompanying cut represents our No. 21 compressed air sprayer. No labor required to operate it. Simply fill tank two-thirds full of liquid, pump in a few strokes of air with pump attached to tank and all labor is done. Machine is furnished with 3 feet of hose, and automatic brass nozzle, which is held in one hand and operated by pressing the thumb a trifle, letting out an instantaneous spray; and by releasing the thumb the nozzle



No. 30.

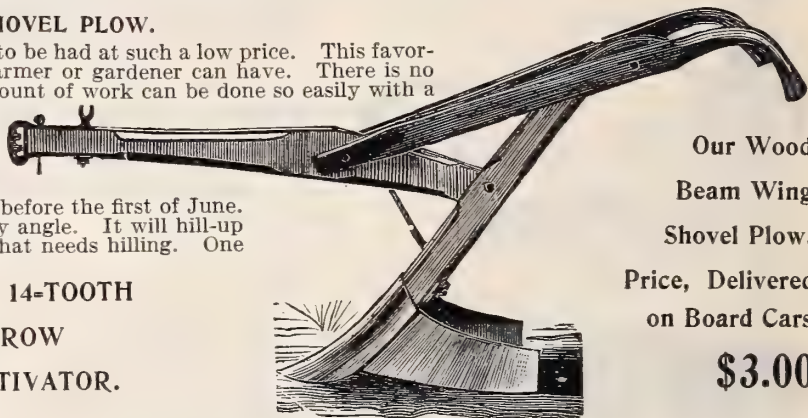


No. 21.

close automatically. The operator has spray under complete control at all times. Sprayer is provided with safety valve to prevent over pressure. A strainer in pipe prevents clogging, also has adjustable shoulder strap. Best machine for all around spraying, throwing a continuous stream or a mist like spray. Fine for use on potatoes. Prices, No. 30, 2 Gal., \$2.00; No. 21, 4 Gal., \$3.50.

## OUR WOOD BEAM WING SHOVEL PLOW.

Who will do without this valuable tool when it is to be had at such a low price. This favorite shovel plow is one of the most useful tools any farmer or gardener can have. There is no excuse for slaving with a hoe, when ten times the amount of work can be done so easily with a shovel plow. There never yet was such a chance to get a good tool so cheap. Send an order for one of these shovel plows with your seed order, and save freight. The workmanship on this shovel plow is right up to the standard; nothing is cheap about it—but the price. It will save ten times its cost in labor before the first of June. The hinge wings are adjustable; can be worked at any angle. It will hill-up anything—cabbages, corn, potatoes and everything that needs hilling. One horse and a boy are all you need to work it.

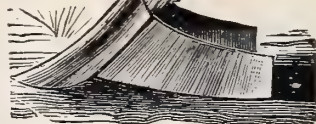


Our Wood Beam Wing Shovel Plow.

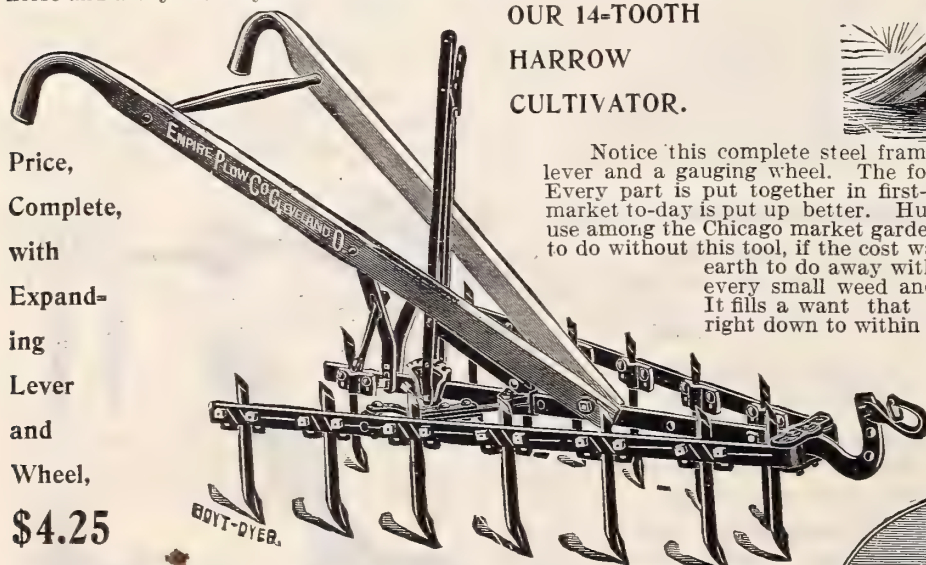
Price, Delivered on Board Cars

**\$3.00**

## OUR 14-TOOTH HARROW CULTIVATOR.

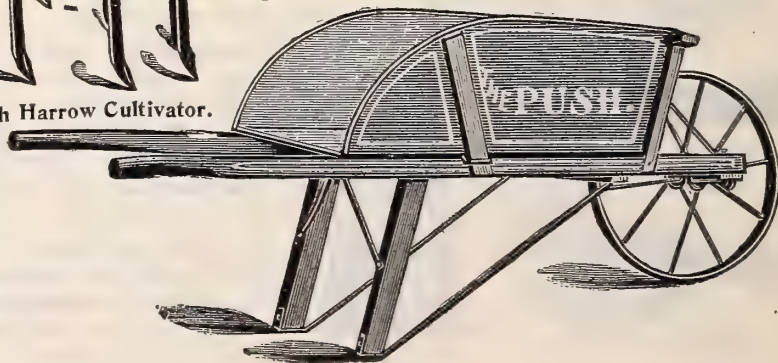


Notice this complete steel frame cultivator harrow. It has an expanding lever and a gauging wheel. The fourteen teeth are reversible and adjustable. Every part is put together in first-class shape. No harrow cultivator on the market to-day is put up better. Hundreds of these harrow cultivators are in use among the Chicago market gardeners, and not a one of them would be willing to do without this tool, if the cost was double what it is. It is the best tool on earth to do away with the weeds when they are small; it roots up every small weed and pulverizes the ground at the same time. It fills a want that no other machine can. We put our price right down to within a shade of actual cost. You cannot beat our price, and you ought to have the tool.



Price,  
Complete,  
with  
Expanding  
Lever  
and  
Wheel,  
**\$4.25**

Our 14-Tooth Harrow Cultivator.



## STANDARD WHEELBARROWS.

No farmer or gardener can afford to do without a wheelbarrow. The prices we name on the standard make, shown here, are so moderate that it is within reach of all. They are made in two sizes; are of the best material and will give satisfaction to all.

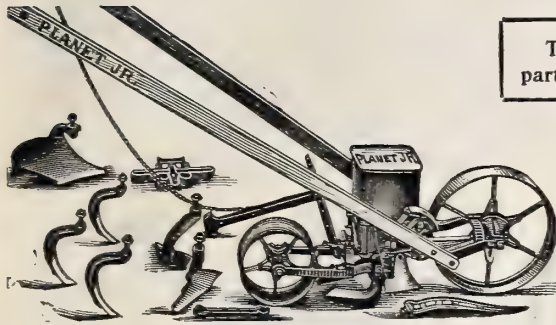
Size 1. As shown in cut. Price, \$3.00.

Size 2. Larger than No. 1. Price, \$3.50.



# "Planet Jr." Farm and Garden Tools.

These Tools are used in all parts of the world and for all crops.



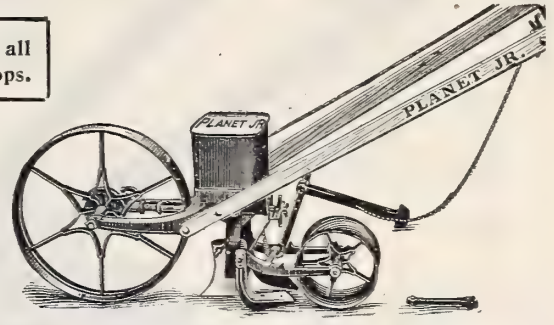
"Planet Jr." No. 4 Drill.

"PLANET JR." No. 4.

Hill and Drill Seeder Combined with Single Wheel Hoe.

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. With this one implement the small gardener can do practically all the work in his crops. Prices, complete, \$10.00; as a drill only, \$8.00.

"Planet Jr." Complete Catalogue sent free to all who apply for it.

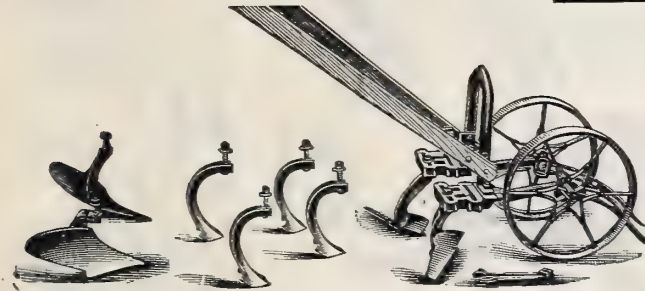


"Planet Jr." No. 5 Drill.

"PLANET JR." No. 5 Drill.

The No. 5 is the Latest and Most Perfect of the Planet Seed Drills.

It sows evenly in drills and also drops in hills at 4, 6, 8, 12 or 24 inches. No time is lost; no seed is wasted. It sows equally well with a full hopper or a tablespoonful of seed. Hopper holds 5 quarts. Price, \$12.50.



"Planet Jr." No. 12.

"PLANET JR." No. 12.

Double Wheel Hoe.

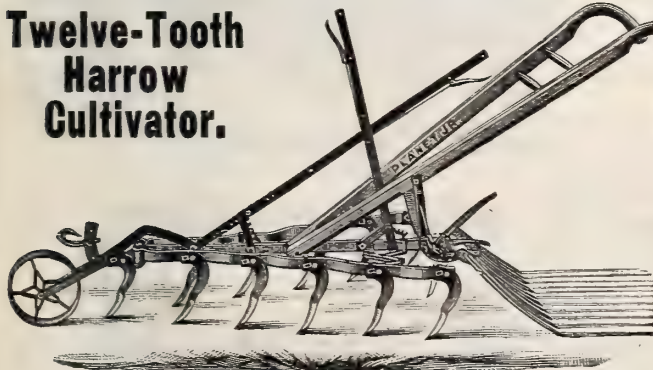
This is the standard complete double wheel hoe. It is a useful tool to all gardeners, and can be adjusted to do all kinds of work. The No. 11 tool, not shown here, is the same as this one, but has more attachments and is sold for \$2.00 more in price. The additional tools may be added to this machine at any time by paying the additional cost. Price, \$6.50.

"PLANET Jr." No. 13.

Plain Double Wheel Hoe.

Same as No. 12, but has three-inch hoes only. This is a very useful tool and is low in price. Price, \$4.25.

## Twelve-Tooth Harrow Cultivator.



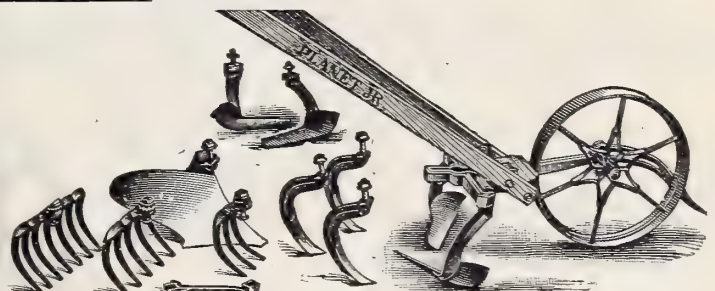
"Planet Jr." Twelve-Tooth Harrow.

"PLANET JR."

Twelve-Tooth Harrow Cultivator.

This tool has rapidly grown in favor with farmers and market gardeners. It has a high frame and the chisel shaped teeth cut an inch wide. It may be set with teeth trailing. Price, plain, \$5.30. Price, with wheel, \$6.40. Price, complete, \$8.00.

There are many other "Planet Jr." Horse Hoes and Cultivators. Send for Catalogue if interested.



"Planet Jr." No. 16.

"PLANET JR." No. 16.

Single Wheel Hoe.

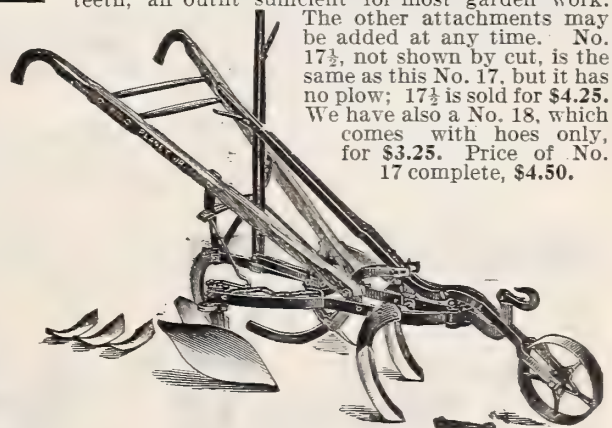
This is the latest and best complete single wheel hoe. It has a very full set of tools and will do all manner of work. It has adjustable handles and quick change frame. Price, \$5.35.

"PLANET Jr." No. 17.

Single Wheel Hoe.

This tool is identical with No. 16, but has only a pair of six-inch hoes, a plow, and a set of cultivator teeth, an outfit sufficient for most garden work.

The other attachments may be added at any time. No. 17½, not shown by cut, is the same as this No. 17, but it has no plow; 17½ is sold for \$4.25. We have also a No. 18, which comes with hoes only, for \$3.25. Price of No. 17 complete, \$4.50.



"Planet Jr." No. 8 Horse Hoe.

"PLANET Jr." No. 8.

Horse Hoe.

This standard horse hoe is used everywhere. It is the best made and most serviceable horse hoe in the market. It has every modern improvement. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. Price, \$8.00.



## Leonard's Victory Model Seed Mill.

A Model of perfection and neatness, built in a most substantial manner. Seed Hole may be regulated to a nicety by a simple thumb bolt. It Sows with precision Beet, Carrot, Onion, Turnip, Sage, Radish, Lettuce, Peas, Beans, Corn and all garden crops, and seed drops in plain sight of the one who operates it, and is then covered and rolled. The Flow of Seed may be instantly checked by swinging up the cut-off that is attached to the handle. The names of the Seeds are in plain sight on the right hand side of the seeder and the index points to the kind of seed that it is desired to sow. It is a Market Gardeners' Seed Drill, made especially for this purpose on plans that will meet every requirement. It has no complicated parts, it can be used by anyone and is made so that the one who is using it will know that it is sowing the seed all right without any guesswork. Any one who has a garden, no matter how small, will find that this Seed Drill will save them both labor and money.

Price \$5.50 on the cars at Chicago.



A  
New  
Seed  
Drill  
for  
1907

LEONARD'S VICTORY MODEL SEED DRILL.

## Leonard's Defiance Cultivator.

This new cultivator will take the place of the Old McGee which we introduced to the Chicago market gardeners about 20 years ago. This new machine is an ideal one for the straddle row process of cultivation. The Side Springs make it flexible and when the cross bar is taken out from between the handles it can be worked up to and away from the row as needed. By fitting the cross bar in again it can be made stationary and can be worked like any other two-wheel hand cultivator. This combination of a movable and fixed tool all in one is a great advance over anything in the line of Hand Cultivators thus far brought out. We have tried this New Tool in all ways and can recommend it fully to all who want a satisfactory working Hand Cultivator. We put the price right down to the lowest limit so that any one who has even the Smallest Garden can afford to have a cultivator to weed it with.

Price \$4.00 on the cars at Chicago.



A  
New  
Hand  
Culti-  
vator  
for  
1907.

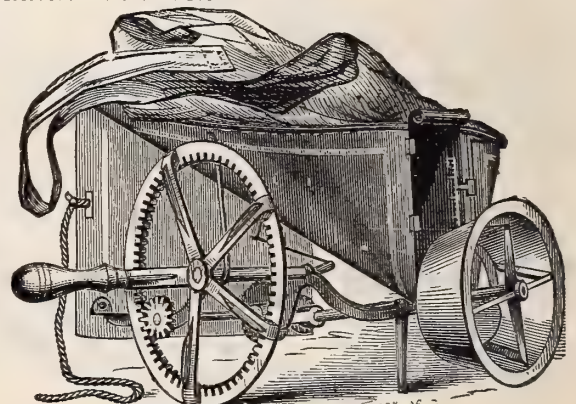
LEONARD'S DEFIANCE HAND CULTIVATOR.

## Broadcast Seeders.

**THE CAHOON.** This well known broadcast seed sower is considered among the best. It is easily worked and sows timothy, clover, flax, wheat, oats, rye, barley, all kinds of grass, and may be used by the gardener for spinach seed or any other kind which he may wish to sow broadcast. Each, \$2.75.

**THE GRANGER.** This sower is similar to the Cahoon in size and general appearance. It works easily, is of strong make and will sow evenly and satisfactorily grain, grass, clover and all farm seeds which are sown broadcast. Each, \$2.00.

**THE CYCLONE.** A seeder which is becoming very popular. It differs from the above mentioned kinds in construction, but does about the same work. It is a cheaper machine and a good one. Each, \$1.50



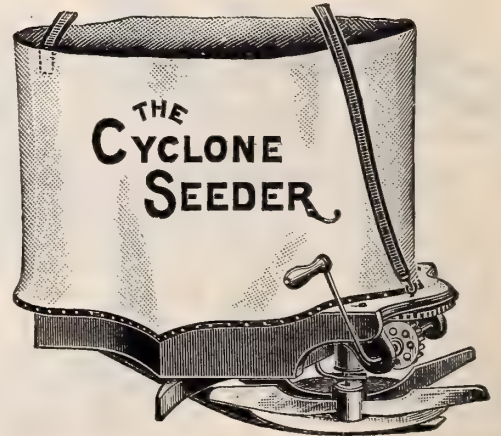
CAHOON SEEDER.



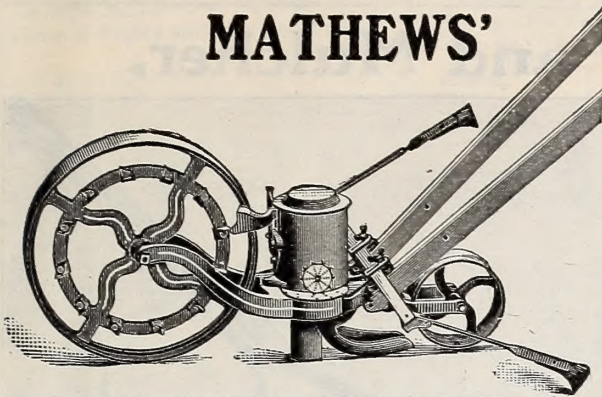
### THE CHICAGO.

This is the best of the fiddle-bow seeders. Thousands of them are in use, and they give the very best of satisfaction.

Each, \$0.90.





**MATHEWS'****UNIVERSAL GARDEN TOOLS.****MATHEWS' NEW UNIVERSAL DRILL.****MATHEWS' UNIVERSAL SEED DRILL.**

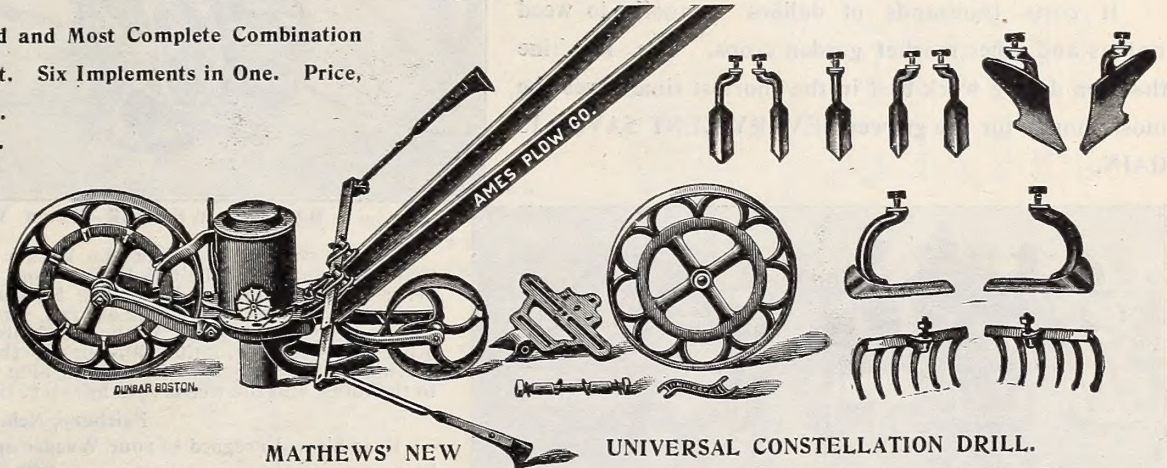
It works on the agitator principle, which is certain in its action, and much preferable to any other method in dropping the seed, and besides there is nothing liable to get out of order or bind in the operation. It opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the drill forward. It sows with evenness and rapidity peas, beans, broom corn, onion, beet, carrot, parsnip, sage, etc. It is provided with an indicator, having the names of different seeds thereon. Before planting turn the indicator around until the name of the seed to be sown comes to the pin at the top. The index is right under your eye while the hopper is easily watched.

The flow of the seed can be instantly shut off by means of the attachment shown on the handle. Beware of cheap imitations of this drill. None genuine but those having the patent indicator. Price, boxed, \$6.50.

**MATHEWS' NEW UNIVERSAL CONSTELLATION DRILL.**

The Latest Improved and Most Complete Combination upon the Market. Six Implements in One. Price, Complete, \$8.50.

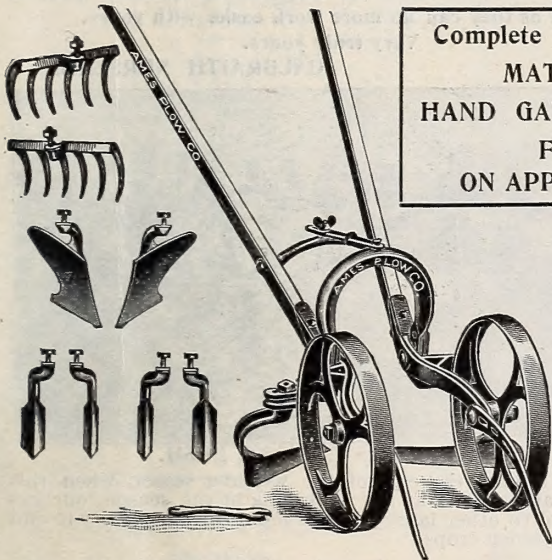
This complete tool is especially recommended to those who have gardens which are not sufficiently large to warrant the cost of several different tools. It takes the place of all.

**MATHEWS' NEW****UNIVERSAL CONSTELLATION DRILL.**

Complete Catalogue of  
**MATHEWS'**  
**HAND GARDEN TOOLS**  
FREE  
ON APPLICATION.

**MATHEWS' HAND CULTIVATOR.**

This is one of the best implements in use for weeding between row crops, and for flat cultivation generally, and is an indispensable companion implement to the seed drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from 6 to 14 inches, and will cut all the ground covered even when spread to its greatest extent. The depth of cultivating may be accurately gauged by raising or lowering the wheel which is quickly done. Prices complete, as in cut. Cultivator with five teeth, \$5.00. With two weeding blades only, \$4.50.

**NEW UNIVERSAL DOUBLE WHEEL HOE.****NEW UNIVERSAL DOUBLE WHEEL HOE.**

Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and, in addition, offers new features which cannot fail of appreciation. The special recommendation is the adjustable arch, by which not only the depth of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. The attachments are—one pair hoes, four cultivator teeth, one pair plows, one pair rakes and one pair vine guards. Price, \$5.50; with one pair hoes only. The same machine as the foregoing, rakes, plows, cultivator teeth and leaf guards omitted. Price, \$3.50.

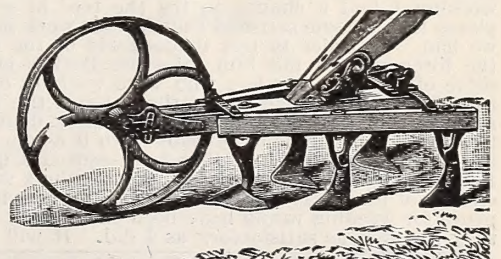
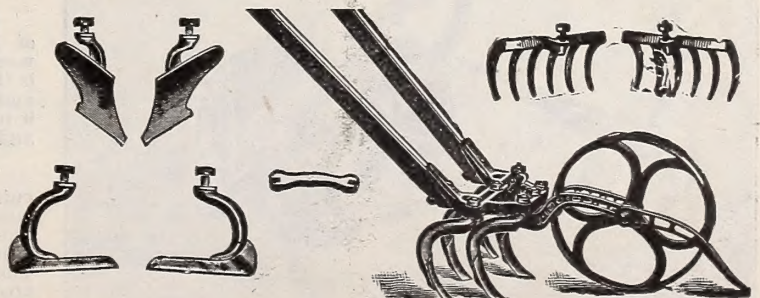
**NEW UNIVERSAL SINGLE WHEEL HOE.**

This is an improvement over other tools of this type. It can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation, the wheel can be set to one side, so as to bring the row of young plants under center of frame. The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are one pair hoes, five cultivator teeth, one pair plows, one pair rakes, and one vine or leaf guard.

Price, boxed, with all attachments. . . . . \$4.25

If one pair hoe blades, only. . . . . \$2.75

Onion growers should have in addition to this five-tooth cultivator our Defiance Garden Cultivator, on page 110.

**MATHEWS' HAND CULTIVATOR.****NEW UNIVERSAL SINGLE WHEEL HOE.**

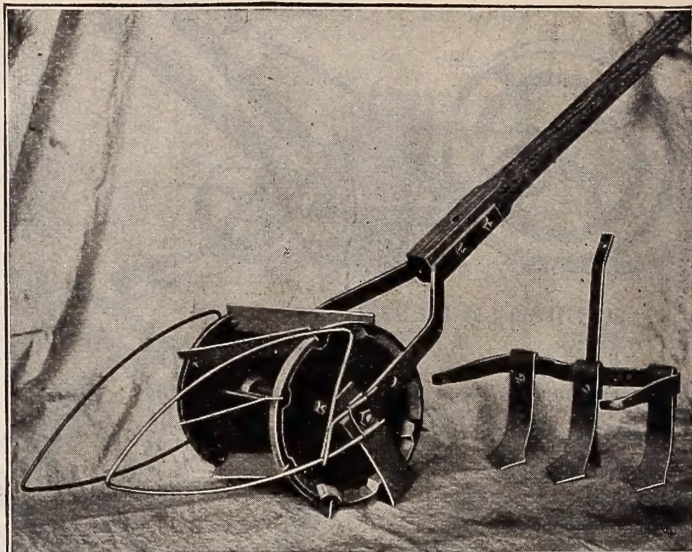


# The Barker Weeder and Mulcher.

It operates on the plan of a lawn mower. It is better than a hoe. It is ten times as fast. It is easy to operate. It forms a dust mulch. Buy a Barker Weeder and Mulcher and cut your garden the same as you buy a lawn mower to cut your lawn. Cut your weeds in your garden **once a week**. It cuts the weeds under the ground as well as the weeds out of the ground. It pulverizes the ground fine which holds the moisture to feed the plant.

To appreciate the value of this tool you must take it to the field, you cannot judge it properly by looking at it. Take it out into the patch, pick out a piece of vegetation that needs weeding. Notice the work it does. Let your man work it. If you are not satisfied with it after giving it a fair trial, you can return it. Hundreds of the best market gardeners and onion growers have taken this tool to try and have kept it and bought more. **It is a money saver.**

It costs thousands of dollars annually to weed onions and other market garden crops. The machine that can do the work best in the shortest time saves the most money for the grower. **EVERY CENT SAVED IS GAIN.**



**BARKER WEEDER—Front View.**

The revolving blades of the Barker do far better work than the stationary bolted knives used on other machines. With the revolving blades of the Barker the surface of the ground is chopped, the weeds are cut, separated from the soil and thereby destroyed. With the bolted knives used on other weeders, the knife slips under the weeds oftentimes leaving them standing without disturbing the earth that hangs to the roots, and the weeds thus left start right in to grow again.

Fairbury, Neb., January 3, 1906.

Dear Sirs. In regard to your Weeder and Mulcher, since we have yours in the nurseries the men will use no other make of wheel hoe, as they can do more work easier with yours.

Very truly yours.

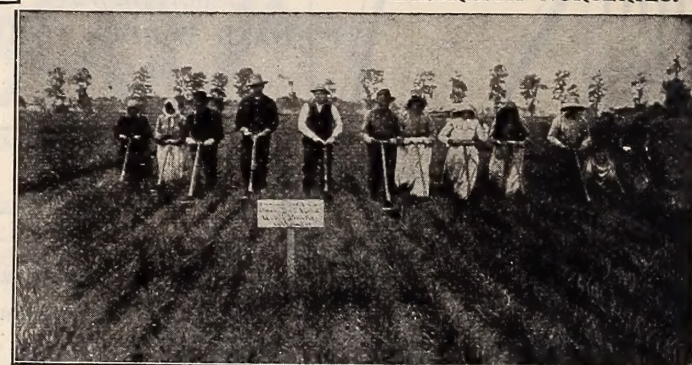
**GALBRAITH NURSERIES.**



All gardeners know that onion sets is an expensive crop to weed.

Our Mr. S. F. Leonard has had more practical experience as a grower of onion sets than perhaps any other individual in the seed trade, and this is what he says of the Barker:

"When I first saw the Barker Weeder and Mulcher I did not think it would do any better work than some others that I already had in use. I was impressed, however, by its peculiar construction and decided to give it a trial. We had thirty-five hand cultivators going on our onion set farm the day I took the Barker tool out. On my way to where the force was working I had a chance to try the tool in several different places and became satisfied that for our work it beat anything we had. In order to test it alongside of the others I called the foreman and bid him take the Barker and accompany some of the best hustlers who were working other tools. It took him a little time to get the hang of the Barker, but as soon as this was accomplished he clearly demonstrated that two rows could be done as easily with it as one could be done by any of the others. I therefore secured a quantity of the Barkers and used them in place of the others with much gain. change of tools was made and I am fully convinced, that had I secured the Barker tools at the beginning of the season, our expense for weeding would have been cut in half. My recommendation of this tool to other large growers induced them to try it and they found it as satisfactory as I did. It will do excellent work in all market garden crops."



**THE BARKER IS EASY TO PUSH.**

It was well on toward the end of the weeding season when this change of tools was made and I am fully convinced, that had I secured the Barker tools at the beginning of the season, our expense for weeding would have been cut in half. My recommendation of this tool to other large growers induced them to try it and they found it as satisfactory as I did. It will do excellent work in all market garden crops."

You do not have to draw the Barker Weeder back after each forward motion like you do other hand wheel hoes. It is a steady forward push like running a lawn mower. You can walk fast or slow, as best suits you.

With the Barker you do the work better, quicker and save yourself the extra labor of the see-saw motion that is necessary to do effective work with any of the other hand weeders.

University of Nebraska Agricultural Experiment Station.

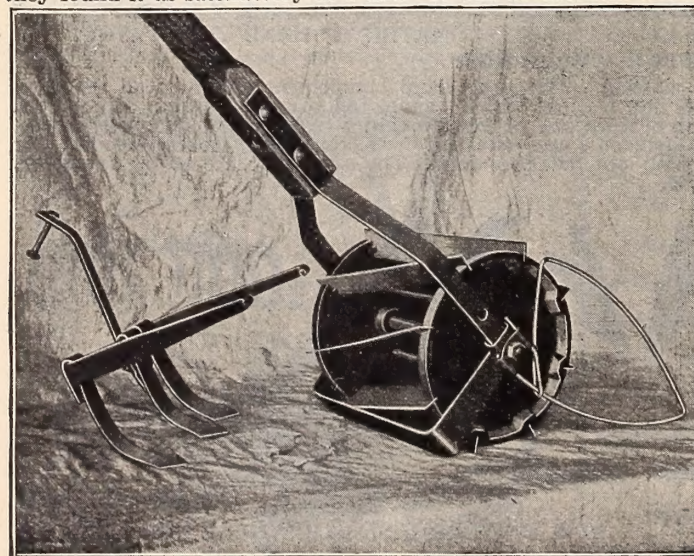
Lincoln, June 29, 1904.

Gentlemen: After having your Weeder and Mulcher in use at the Nebraska Agricultural Experiment Station for some weeks, after having personally tested it, I am convinced that it is the best implement for weeding and cultivating vegetables and other similar plants that I have ever seen. We are using it to the practical exclusion of other implements in our garden and nursery work.

R. A. EMERSON, Director.

The Barker is made in 3 sizes. Viz.: 6-inch cut, 8½-inch cut, and 11-inch cut. Each machine is fitted up with leaf guards and tooth attachment. The 8½-inch cut is the standard size for onion sets and ordinary market garden crops. The 6-inch is for lettuce and crops that are planted in close rows. The 11-inch for crops that are planted from 14 to 18 inches apart in rows.

**Either Size Complete with all Attachments..... Price, \$5.00**



**BARKER WEEDER—Back View.**



# REFERENCE TABLES.

## Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre.

Quantity per acre.	
Artichoke, 1 oz. to 500 plants	6 oz.
Asparagus, 1 oz. to 800 plants	1 lb.
Asparagus Roots	1000 to 7250
Barley	2½ bu.
Beans, Dwarf, 1 pint to 100 ft. of drill	1 " "
Beans, pole, 1 pint to 100 hills.	½ " "
Beet, garden, 1 oz. to 100 ft. of drill	7 lbs.
Beet, mangel, 1 oz. to 100 ft. of drill	5 " "
Broccoli, 1 oz. to 5,000 plants	2 oz.
Brussels Sprouts, 1 oz. to 5,000 plants.	2 " "
Buckwheat	½ bu.
Cabbage, 1 oz. to 3,000 plants	2 oz.
Carrot, ½ oz. to 100 feet of drill	2½ lbs.
Cauliflower, 1 oz. to 3,000 plants	2½ oz.
Celery, 1 oz. to 15,000 plants	2 " "
Chicory	4 lbs.
Clover, Alsike and White Dutch	6 lbs.
" Lucerne	15 to 25 " "
" Crimson Trefoil	10 to 15 " "
" Large Red and Medium	8 to 12 " "
Collards, 1 oz. to 5,000 plants	2 oz.
Corn, rice (shelled).	2 qts.
Corn, sweet, ½ pint to 100 hills.	6 " "
Cress, ½ oz. to 100 feet of drill	12 lbs.
Cucumber, 1 oz. to 100 hills	1 to 3 " "
Egg Plant, 1 oz. to 2,000 plants	4 oz.
Endive, ½ oz. to 100 feet of drill	4½ lbs.
Flax, broadcast	½ bu.
Garlic, bulbs, 1 lb. to 10 feet of drill	" "
Gourd, 2 oz. to 100 hills	" "
Grass, Blue, Kentucky	2 bu.
" Blue, English	1 " "
" Hungarian and Millet	½ " "
" Mixed Lawn	3 to 5 " "
" Red Top, Fancy Clean	8 to 10 lbs.
" Red Top, Chaff Seed	20 to 28 " "
" Timothy	½ bu.
" Orchard, Perennial Rye, Fowl Meadow and Wood Meadow.	2 bu.
Hemp	½ " "
Horse Radish Roots.	10,000 to 15,000
Kale, 1 oz. to 5,000 plants	2 oz.
Kohl Rabi, ½ oz. to 100 feet of drill	4 lbs.
Leek, ½ oz. to 100 feet of drill	4 " "
Lettuce, ½ oz. to 100 feet of drill	3 " "
Martynia, 1 oz. to 100 feet of drill	5 " "
Melon, Musk, 1 oz. to 100 hills.	1 to 3 " "
" Water, 4 oz. to 100 hills	1½ to 4 " "
Nasturtium, 2 oz. to 100 feet of drill	15 " "
Okra, 1 oz. to 100 feet of drill.	8 " "
Onion Seed, ½ oz. to 100 feet of drill	4 to 5 " "
" for sets	40 to 80 " "
Onion Sets, 1 quart to 40 feet of drill	8 bu.
Parsnip, ½ oz. to 100 feet of drill	3 lbs.
Parsley, ½ oz. to 100 feet of drill	3 " "
Peas, garden, 1 pint to 100 ft. of drill.	1 to 3 bu.
" field	2 " "
Pepper, 1 oz. to 1,500 plants	3 oz.
Pumpkin, ½ qt. to 100 hills.	3 to 4 lbs.
Radish, ½ oz. to 100 feet of drill	10 to 12 " "
Rye	1½ bu.
Salsify, ½ oz. to 100 feet of drill.	8 lbs.
Spinach, ½ oz. to 100 feet of drill.	8 " "
Spurry	15 " "
Summer Savory	¾ " "
Sunflower	8 " "
Squash, Summer, 4 oz. to 100 hills	2 " "
" Winter, 8 oz. to 100 hills.	2 " "
Tomato, 1 oz. to 4,500 plants.	1 oz.
Tobacco, 1 oz. to 5,000 plants.	2 " "
Turnip, 1 oz. to 250 feet of drill	1 to 3 lbs.
Vetches	2 bu.

## Number of Plants or Trees to the Acre at Given Distances.

Dis. apart. No. plants.	Dis. apart. No. plants.
12x 1 in. .... 522,720	36x36 in. .... 4,480
12x 3 " .... 174,240	42x12 " .... 12,446
12x12 " .... 43,560	42x24 " .... 6,223
16x 1 " .... 392,040	42x36 " .... 4,148
18x 1 " .... 348,480	48x12 " .... 10,890
18x 3 " .... 116,160	48x18 " .... 7,790
18x12 " .... 29,040	48x24 " .... 5,445
18x18 " .... 19,360	48x30 " .... 4,356
20x 1 " .... 313,635	48x36 " .... 3,630
20x20 " .... 15,681	48x48 " .... 2,723
24x 1 " .... 261,360	60x36 " .... 2,901
24x18 " .... 15,520	60x48 " .... 2,178
24x24 " .... 10,890	60x60 " .... 1,743
30x 1 " .... 209,088	8x 1 ft. .... 5,445
30x 6 " .... 34,848	8x 3 " .... 1,815
30x12 " .... 17,424	8x 8 " .... 680
30x16 " .... 13,068	10x 1 " .... 4,356
30x20 " .... 10,454	10x 6 " .... 726
30x24 " .... 8,712	10x10 " .... 435
30x30 " .... 6,970	12x 1 " .... 3,630
36x 3 " .... 58,080	12x 5 " .... 736
36x12 " .... 14,520	12x12 " .... 302
36x18 " .... 9,680	16x 1 " .... 2,722
36x24 " .... 7,260	16x16 " .... 170

## WEIGHT PER CUBIC FOOT.

Hay, well settled	4½ lbs.
Corn, on Cob in bin	22 " "
" shelled,	45 " "
Wheat,	48 " "
Oats,	25½ " "
Potatoes,	38½ " "

## Average Time Required for Garden Seeds to Germinate.

DAYS	
Bean	5 to 10
Beet	7 to 10
Cabbage	5 to 10
Carrot	12 to 18
Cauliflower	5 to 10
Celery	10 to 20
Corn	5 to 8
Cucumber	6 to 10
Endive	5 to 10
Lettuce	6 to 8
Onion	7 to 10
Pea	6 to 10
Parsnip	10 to 20
Pepper	9 to 14
Radish	3 to 6
Salsify	7 to 12
Tomato	6 to 12
Turnip	4 to 8

## Time Required for Maturity of Different Garden Crops Reckoned from the Day of Sowing the Seed.

DAYS.	
Beans, String	45 to 65
Beans, Shell	65 to 70
Beets, Turnip	65
Beets, Long Blood	150
Cabbage, Early	105
Cabbage, Late	150
Cauliflower	110
Corn	75
Eggplant	150 to 160
Lettuce	65
Melon, Water	120 to 140
Melon, Musk	120 to 140
Onion	135 to 150
Pepper	140 to 150
Radish	30 to 45
Squash, Summer	60 to 65
Squash, Winter	125
Tomato	150
Turnip	60 to 70

## Legal Weights and Measures.

### POUNDS PER BUSHEL.

ARTICLES.	Ills.	Iowa.	Wis.	Mich.	Ind.	Mo.	N. Y.	Ohio.
Apples, dried	24	24	28	22	25	24	22	22
Apples, green	50	50	57	50	50	50	50	50
Bran	20	20	20	20	20	20	20	20
Barley	48	48	48	48	48	48	48	48
Beans, white	60	60	60	60	60	60	60	60
Beans, Castor	46	46	46	46	46	46	46	46
Buckwheat	52	52	50	48	50	52	48	50
Broom Corn Seed	46	46	46	46	46	46	46	30
Beets	60	50	50	50	50	50	50	56
Carrots	55	50	50	50	50	50	50	50
Charcoal	22	22	22	22	22	22	22	22
Coal, stone	80	80	80	80	80	80	80	80
Coke	40	38	38	38	38	38	38	40
Corn, shelled	56	56	56	56	56	56	56	56
Corn, ear	70	70	70	70	70	70	70	68
Corn Meal	48	48	48	50	50	50	50	50
Cranberries	33	33	33	33	33	33	33	33
Dried Peaches	23	23	28	28	33	33	32	33
Flax Seed	56	56	56	56	56	56	56	56
Grass Seed, Blue	14	14	14	14	14	14	15	10
" Clover	60	60	60	60	60	60	60	60
" Hungarian	48	48	48	50	48	48	50	50
" Millet	50	48	50	50	50	50	50	50
" Orchard	14	14	14	14	14	14	14	14
" Red Top	14	14	14	14	14	14	14	14
" Timothy	45	45	45	45	45	45	44	45
German Lupine	60	60	60	60	60	60	60	60
Hemp Seed	44	44	44	44	44	44	44	44
Hickory Nuts	50	50	50	50	50	50	50	50
Malt, Barley	38	36	34	38	38	38	34	34
Mineral Coal	40	40	40	40	40	40	40	40
Middlings, fine	40	40	40	40	40	40	40	40
" coarse	30	30	30	30	30	30	30	30
Oats	32	32	32	32	32	32	32	32
Onions	57	57	57	54	48	57	57	50
Onions, tops	28	28	28	28	28	28	28	25
Onions, sets	32	32	32	32	32	32	32	32
Osage Orange	33	33	33	33	33	33	33	33
Parsnips	55	55	55	55	55	55	55	55
Potatoes	60	60	60	60	60	60	60	60
Potatoes, Sweet	50	46	55	56	55	56	55	50
Peas, dried	60	60	60	60	60	60	60	60
Peas, in pods	32	32	32	32	32	32	32	32
Pop Corn	70	70	70	70	70	70	70	70
Quick Lime	80	80	80	80	80	80	80	80
Rye	56	56	56	56	56	56	56	56
Salt, coarse	50	50	50	50	50	50	50	50
Salt, fine	55	55	56	56	55	55	55	50
Turnips, Rut'b'ga	55	55	56	58	55	50	55	60
Turnips, white	42	42	42	42	42	42	42	42
Wheat	60	60	60	60	60	60	60	60

## Valuable Horticultural Books.

Sent Postpaid on Receipt of Price.

Asparagus Culture, Flex. cloth.	\$0.50	Gregory on Cabbage	\$0.30
Barry's Fruit Garden, New and Revised.	1.50	Gregory on Carrots and Mangels	.30
Bee Culture, A B C of, Root, A. L.	1.25	Gregory on Squashes	.30
Bommer's Method of Making Manure	.25	Henderson's Gardening for Profit	1.50
Brill's Cauliflower	.20	Henderson's Gardening for Pleasure	1.50
Brill's Farm Gardening and Seed Growing	1.00	Henderson's Practical Floriculture	1.50
Broom Corn and Brooms	.50	Henderson's Hand-Book of Plants	3.00
Breck's New Book of Flowers	1.75	Home Floriculture, by Eben R. Rexford	1.50
Burr's Vegetables of America	3.00	Hop Culture, New and Revised Edition	.30
Bulbs and Tuberous Rooted Plants, C. L. Allen	1.50	Horticulturist Rule Book, Bailey, L. H.	.75
Celery Culture	.40	House Plants—How to Succeed, L. P. Hillhouse	1.00
Dahlia, the Peacock, L. K.	.30	Onions—How to Raise Them Profitably	.25
Downing's Fruits and Fruit Trees of America, New Edition	5.00	Plums and Plum Culture, Waugh, F. A.	1.50
Elliot's Hand-Book for Fruit Growers, paper, 60 cents; cloth.	1.00	Pruning Book, The, Bailey, L. H.	1.50
Egg Farm, New, Stoddard, H. H.	.50	Rose, The, Its Cultivation, Ellwanger, H. B.	1.25
Feathered Pets, on the Care of Canaries, etc.	.25	Small Fruit Culturist, Fuller, A. S.	1.00
Flower Garden, Beautiful, Mathews	.40	Strawberry Culturist, Fuller, A. S.	.25
Fitz's Sweet Potato Culture	.60	Thomas' American Fruit Culturist	2.00
Fruit Growing, Amateur, by S. B. Green	1.00	Tobacco Culture, by fourteen experienced cultivators	.25
Grape Culturist, by A. S. Fuller	1.00	Vegetable Gardening, by Prof. S. B. Green	1.25
Grasses and Clovers, by Prof. Thomas Shaw	.50	Window Flower Garden, Henrich's	.50

At the prices above named the books will be mailed, postage paid, on receipt of the money.



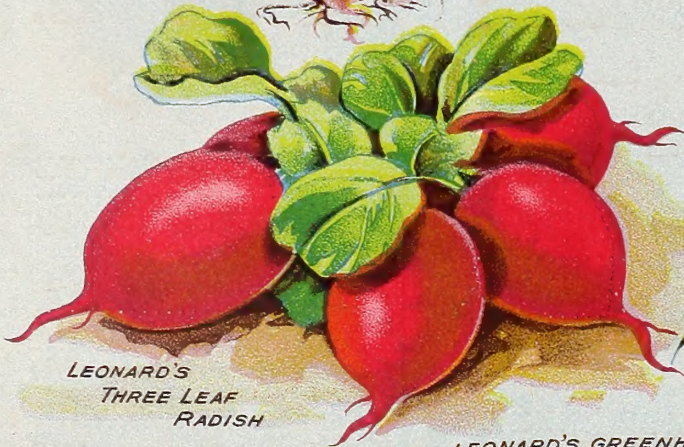
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